Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107879.D
Acq On : 1 Aug 2018 5:03
Operator : JU/SJ
Sample : J4231-15DL 25X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 01 06:02:40 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	106894	20.00	ng		0.00
21) Naphthalene-d8	8.25	136	510450	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	198321	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	384007	20.00	ng		0.00
75) Chrysene-d12	14.15	240	375210	20.00	ng		0.00
86) Perylene-d12	15.68	264	289526	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.64	112	768	0.12	ng		0.04
7) Phenol-d6	6.71	99	8683	1.05	ng		0.10
23) Nitrobenzene-d5	7.58	82	3488	0.39	ng		0.05
41) 2,4,6-Tribromophenol	10.81	330	5980	2.22	ng		0.00
44) 2-Fluorobiphenyl	9.32	172	43686	3.07	ng		0.00
78) Terphenyl-d14	13.08	244	57260	3.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.87	88	800	6.032	ng	#	24
31) Naphthalene	8.27	128	2290578	96.535	ng		98
32) Benzoic acid	8.27	122	4485	2.544	ng	#	1
33) 4-Chloroaniline	8.27	127	301968	29.794	ng	#	34
37) 2-Methylnaphthalene	8.96	142	328686	22.053	ng		99
45) 1,1'-Biphenyl	9.42	154	181114	10.035	ng		98
48) Acenaphthylene	9.87	152	84893	4.023	ng		97
50) 2,6-Dinitrotoluene	10.00	165	30850	9.531	ng	#	27
51) Acenaphthene	10.04	154	700253	57.131	ng		100
54) Dibenzofuran	10.22	168	52915	2.793	ng		94
55) 4-Nitrophenol	10.11	139	1314	9.917	ng	#	26
57) Fluorene	10.55	166	338488	22.990	ng		92
70) Phenanthrene	11.53	178	1800204	98.729	ng		99
71) Anthracene	11.58	178	865712	41.163	ng		99
74) Fluoranthene	12.72	202	1129779	52.741	ng		98
77) Pyrene	12.95	202	1509272	55.861	ng		99
80) Benzo(a)anthracene	14.18	228	358024	16.845	ng		95
82) Chrysene	14.18	228	358024	15.617	ng		98
85) Indeno(1,2,3-cd)pyrene	17.27	276	102711	5.890	ng	#	91
87) Benzo(b)fluoranthene	15.23	252	331554	23.219	ng		99
88) Benzo(k)fluoranthene	15.23	252	331554	18.912	ng		98
89) Benzo(a)pyrene	15.62	252	269075	18.253	ng		98
91) Benzo(g,h,i)perylene	17.75	276	115920	9.317	ng		97

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

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Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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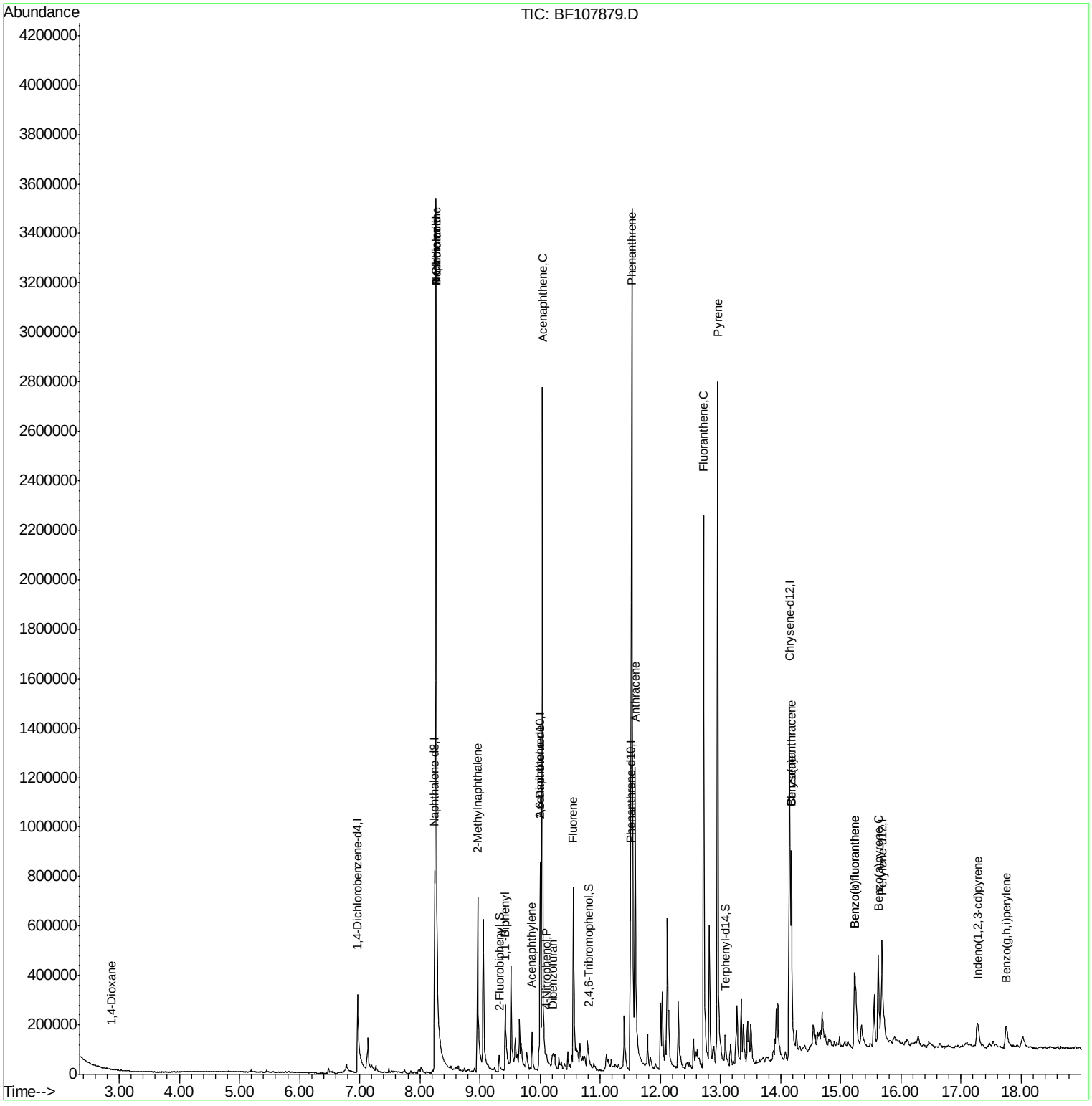
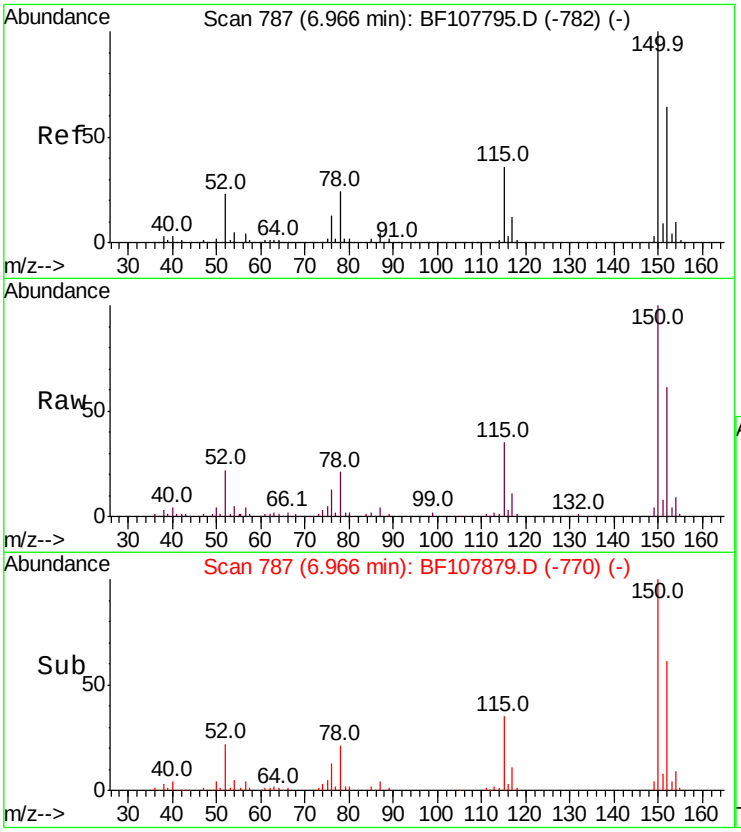


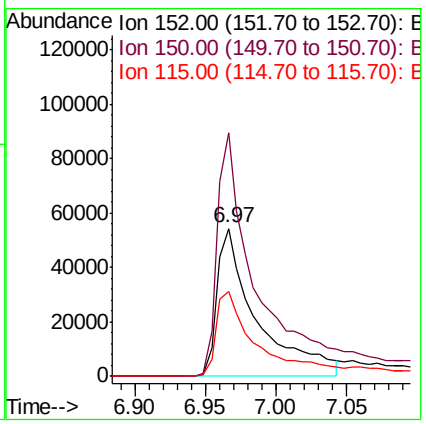


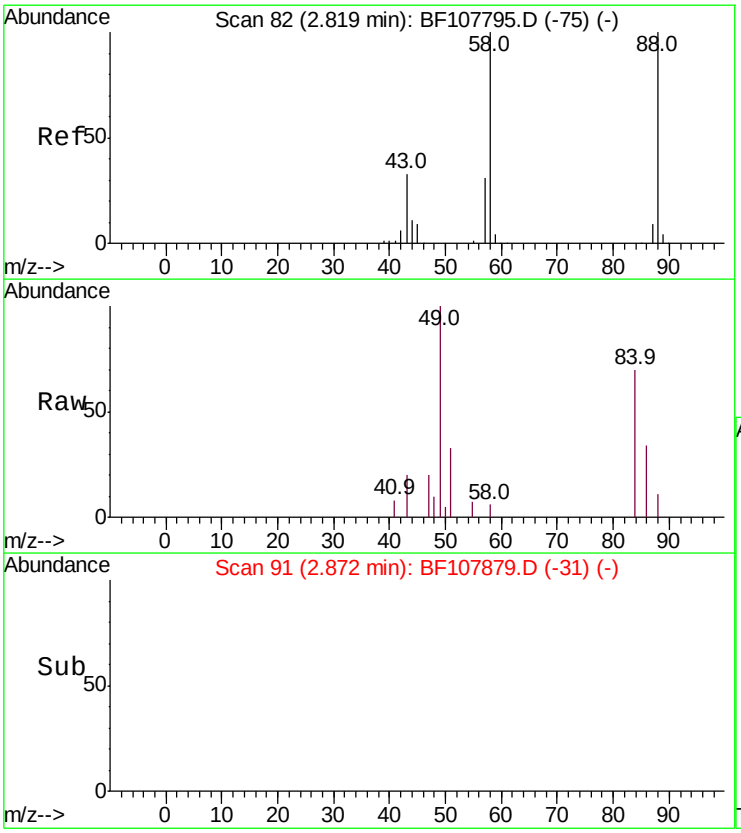
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 106894

Ion	Ratio	Lower	Upper
152	100		
150	164.4	124.6	186.8
115	57.3	50.1	75.1

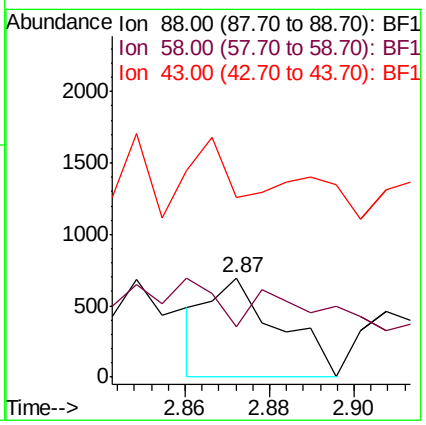


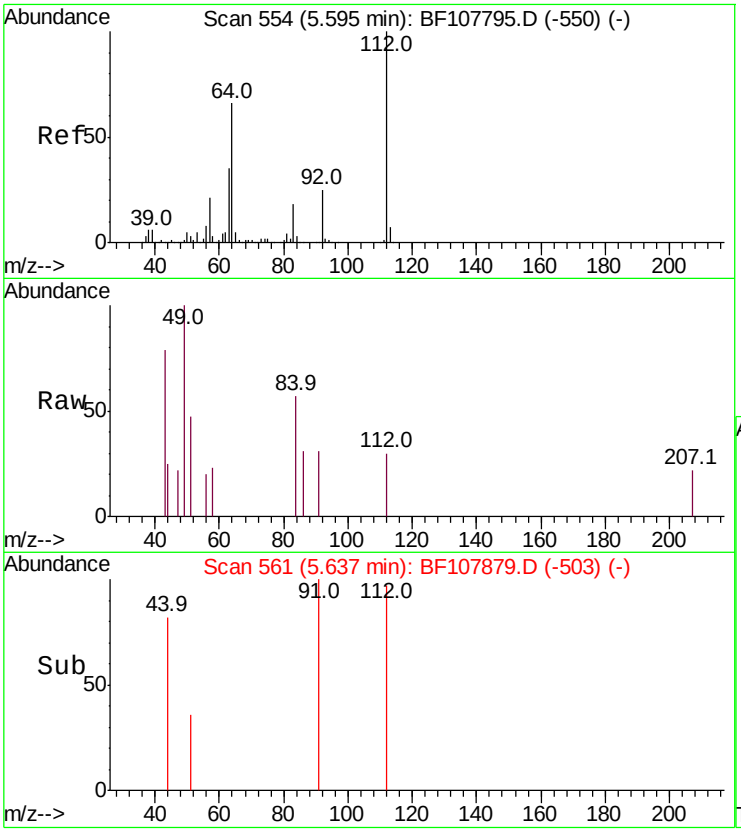


#2
1,4-Dioxane
Concen: 6.032 ng
RT: 2.87 min Scan# 91
Delta R.T. 0.05 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion: 88 Resp: 800

Ion	Ratio	Lower	Upper
88	100		
58	0.0	62.6	93.8#
43	53.9	24.6	37.0#



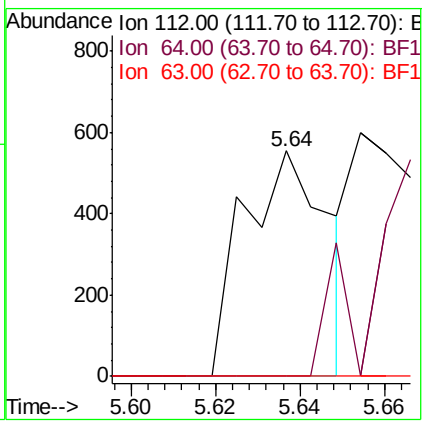


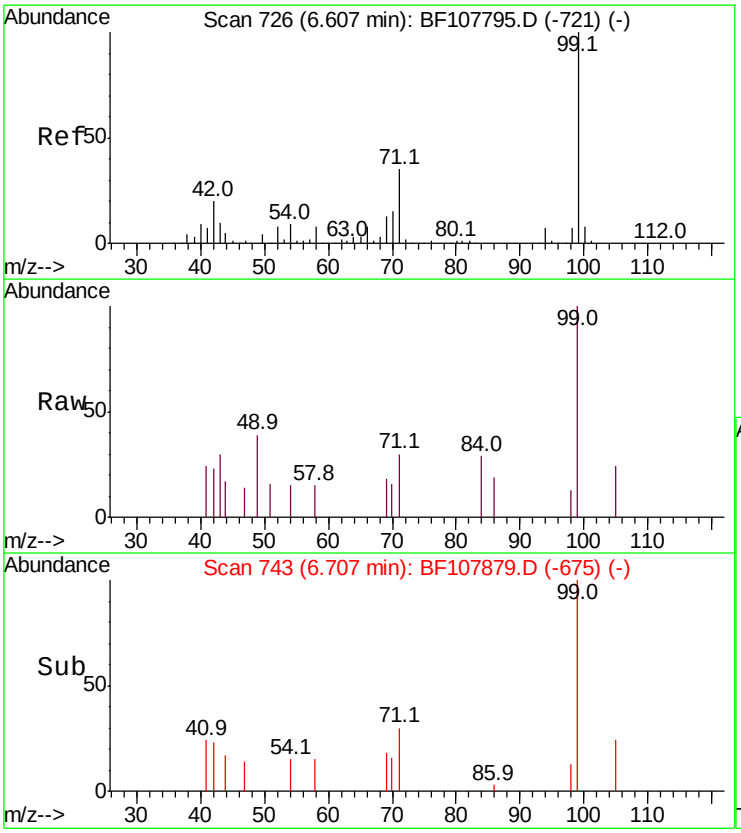
#5
2-Fluorophenol
Concen: 0.122 ng
RT: 5.64 min Scan# 561
Delta R.T. 0.04 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:112 Resp: 768

Ion	Ratio	Lower	Upper
112	100		
64	0.0	47.9	71.9#
63	0.0	23.7	35.5#

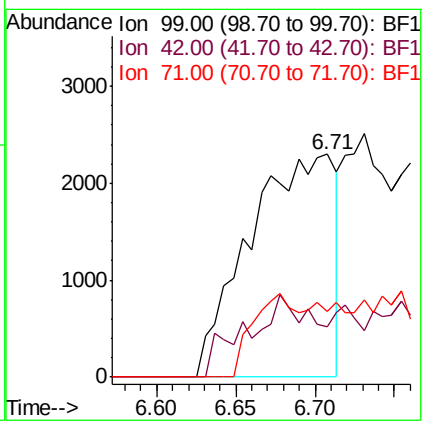


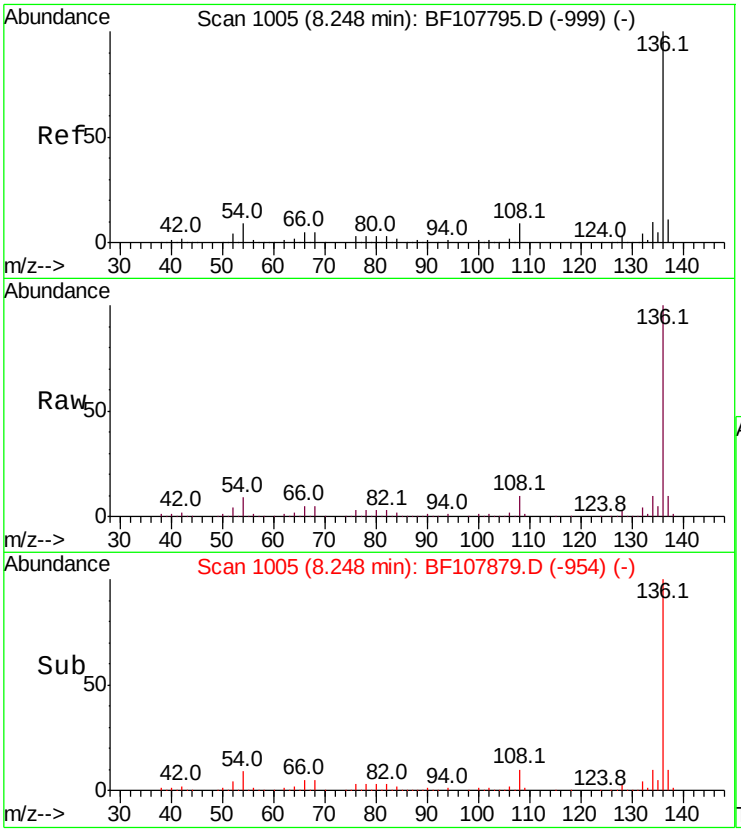


#7
Phenol-d6
Concen: 1.047 ng
RT: 6.71 min Scan# 743
Delta R.T. 0.10 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion: 99 Resp: 8683

Ion	Ratio	Lower	Upper
99	100		
42	22.8	14.5	21.7#
71	29.6	25.4	38.0



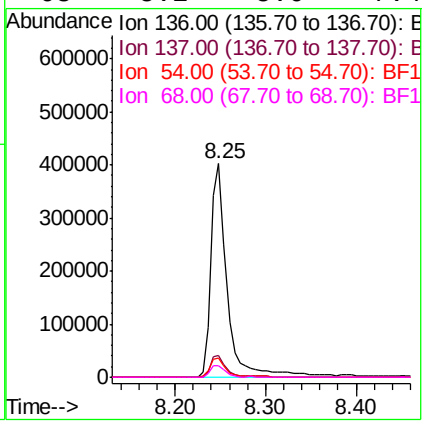


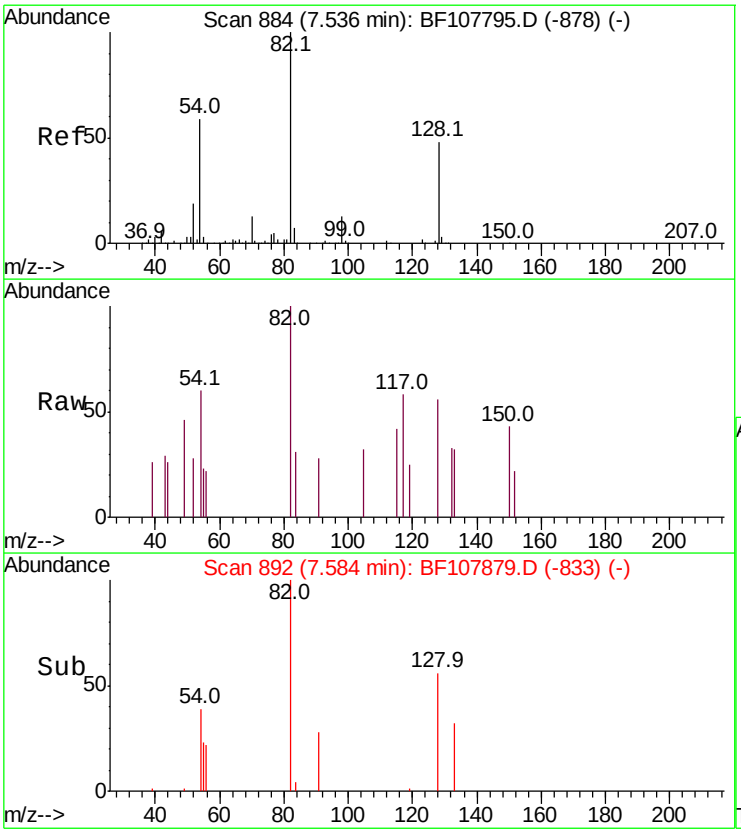
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 510450

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	9.0	6.6	9.8
68	5.2	5.0	7.4

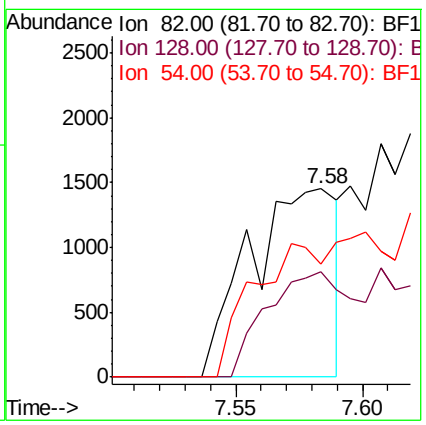


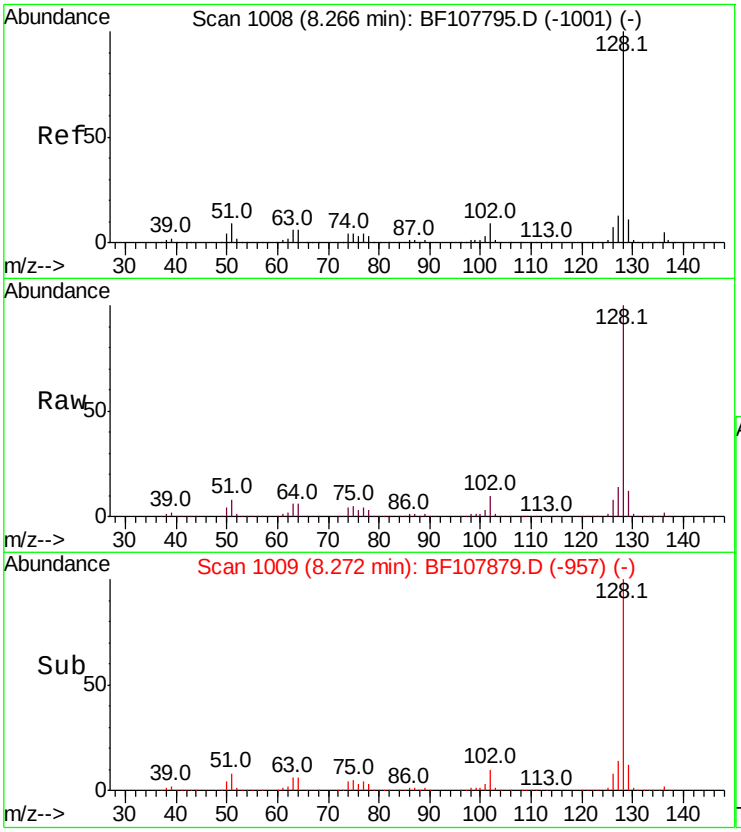


#23
Nitrobenzene-d5
Concen: 0.394 ng
RT: 7.58 min Scan# 892
Delta R.T. 0.05 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion: 82 Resp: 3488

Ion	Ratio	Lower	Upper
82	100		
128	56.2	36.1	54.1#
54	60.2	41.4	62.2



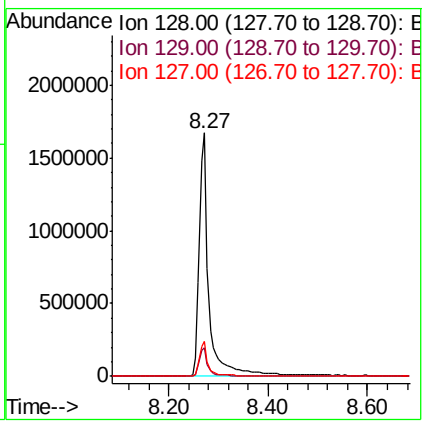


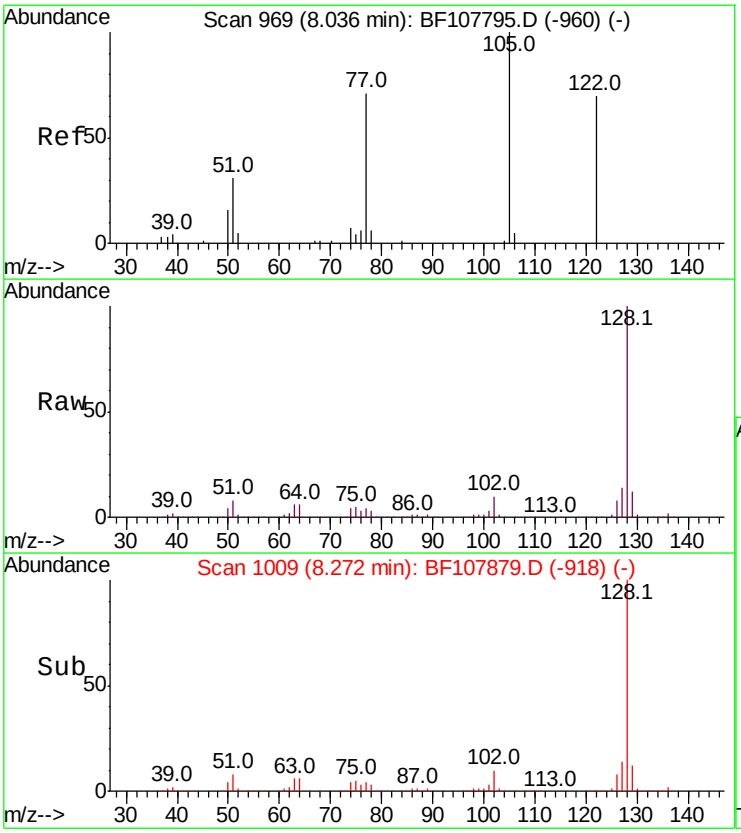
#31
Naphthalene
Concen: 96.535 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 2290578

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.8	13.2
127	14.3	10.9	16.3

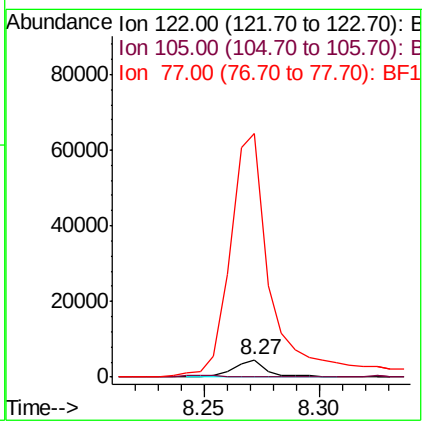


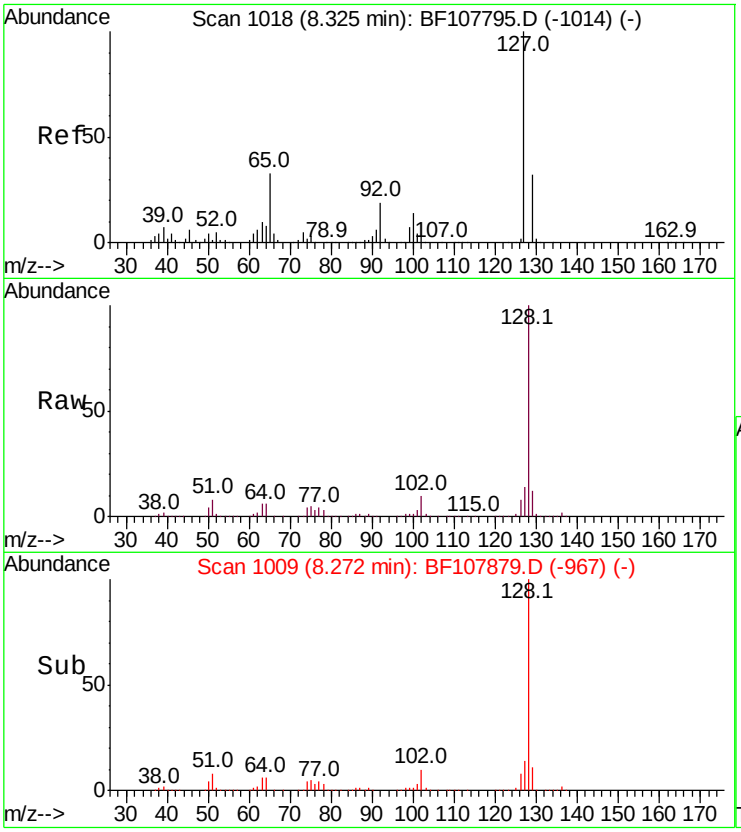


#32
Benzoic acid
Concen: 2.544 ng
RT: 8.27 min Scan# 1009
Delta R.T. 0.24 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:122 Resp: 4485

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	1386.6	70.7	110.7#



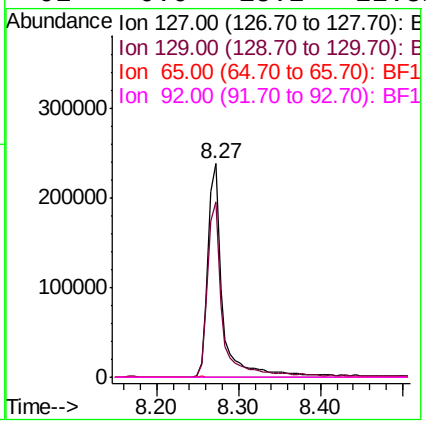


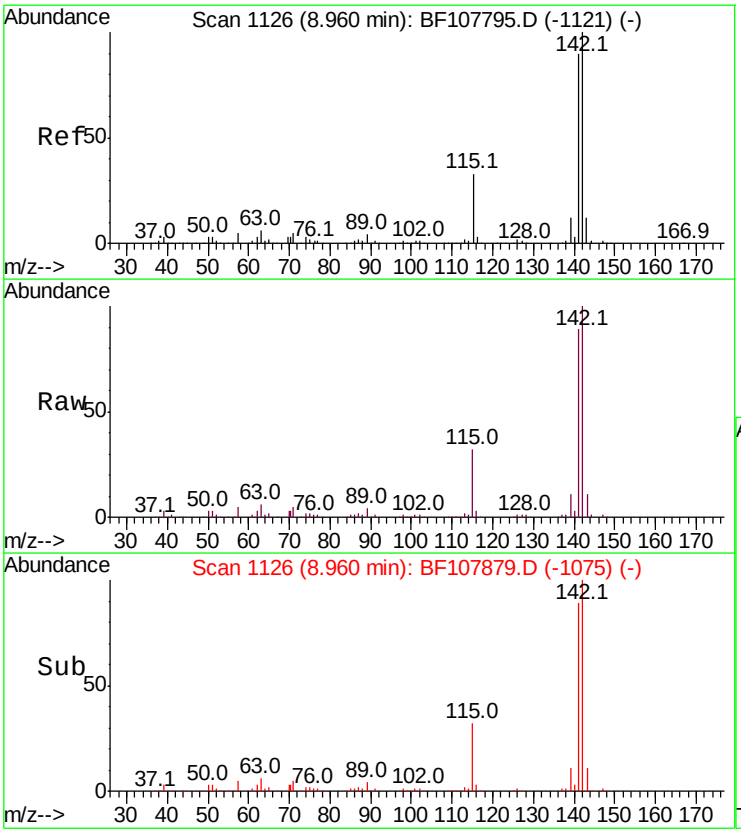
#33
4-Chloroaniline
Concen: 29.794 ng
RT: 8.27 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 301968

Ion	Ratio	Lower	Upper
127	100		
129	82.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

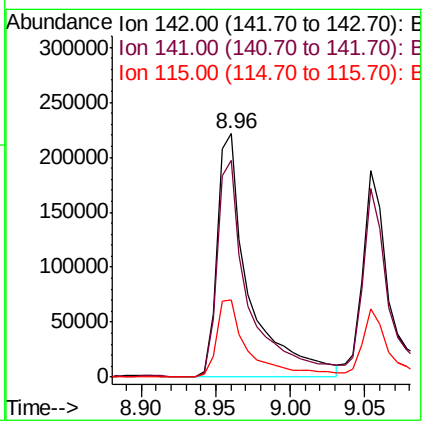


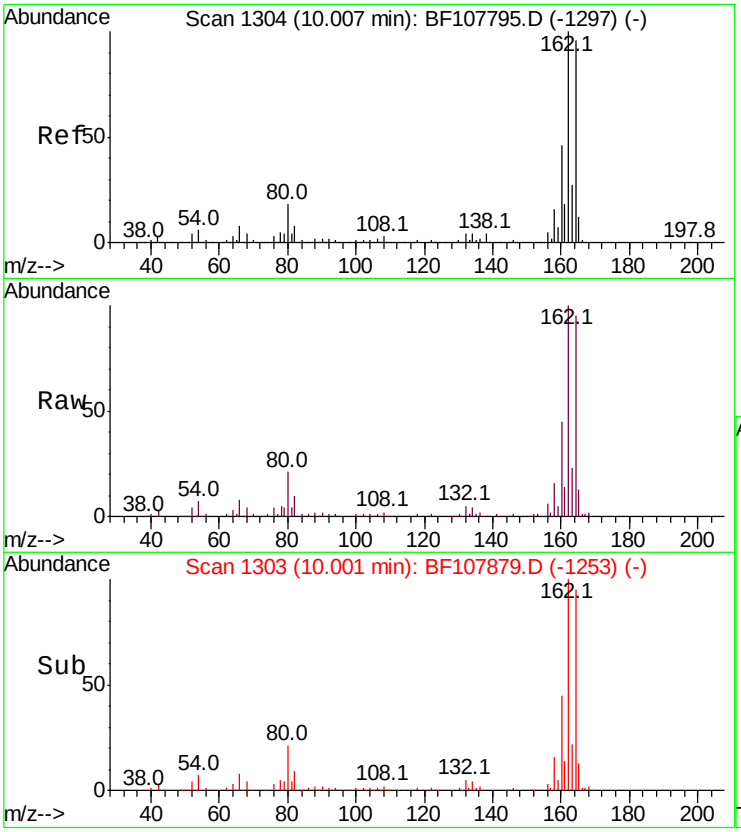


#37
2-Methylnaphthalene
Concen: 22.053 ng
RT: 8.96 min Scan# 1126
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:142 Resp: 328686

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.8	106.2
115	31.8	26.1	39.1



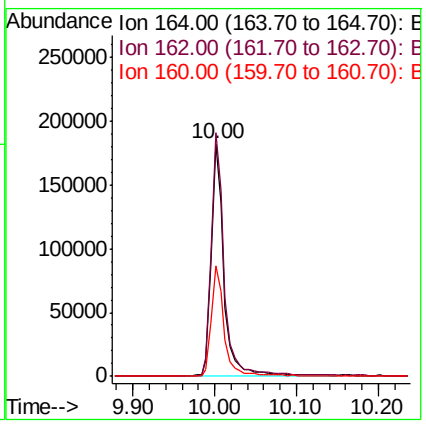


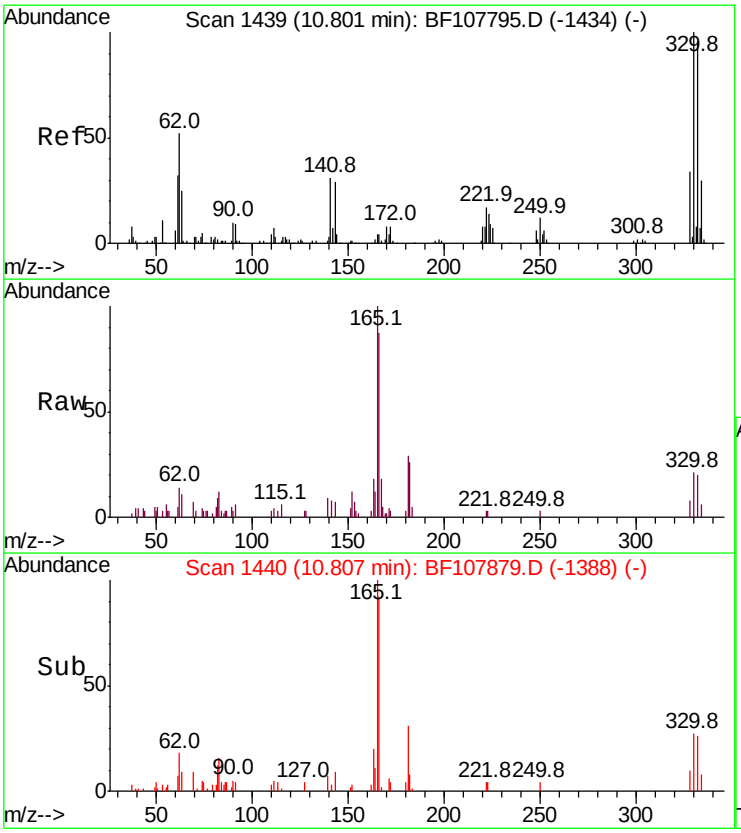
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 198321

Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	47.5	38.3	57.5

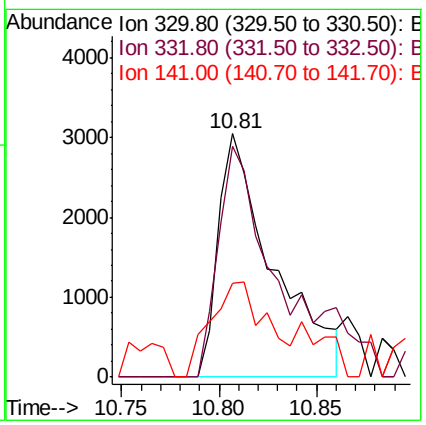


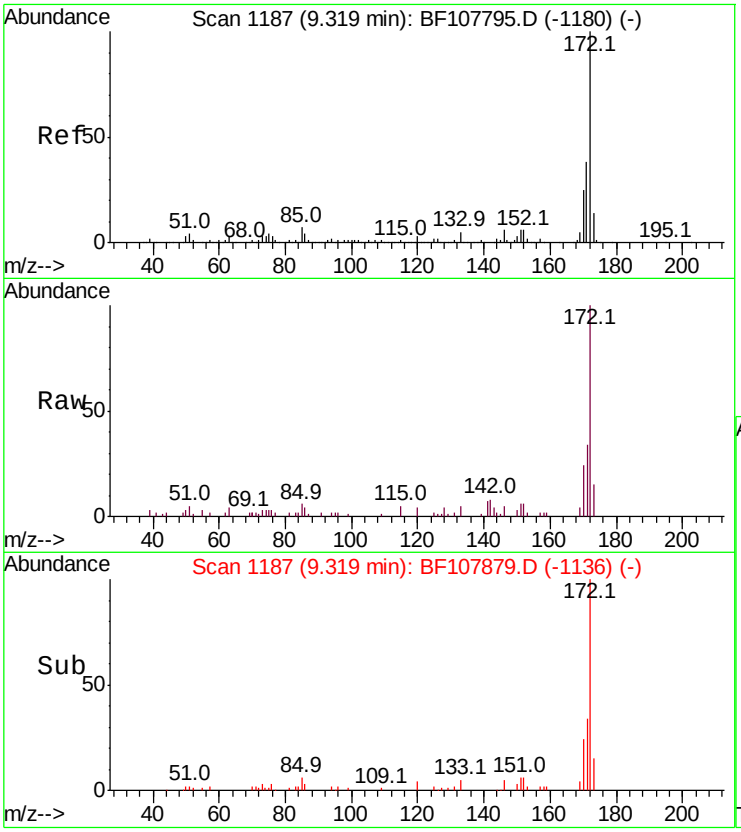


#41
2,4,6-Tribromophenol
Concen: 2.219 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:330 Resp: 5980

Ion	Ratio	Lower	Upper
330	100		
332	107.2	77.0	115.6
141	40.1	29.9	44.9



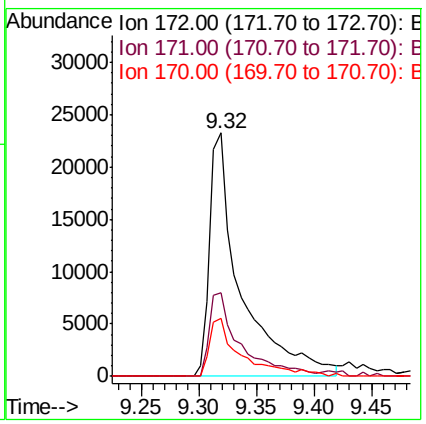


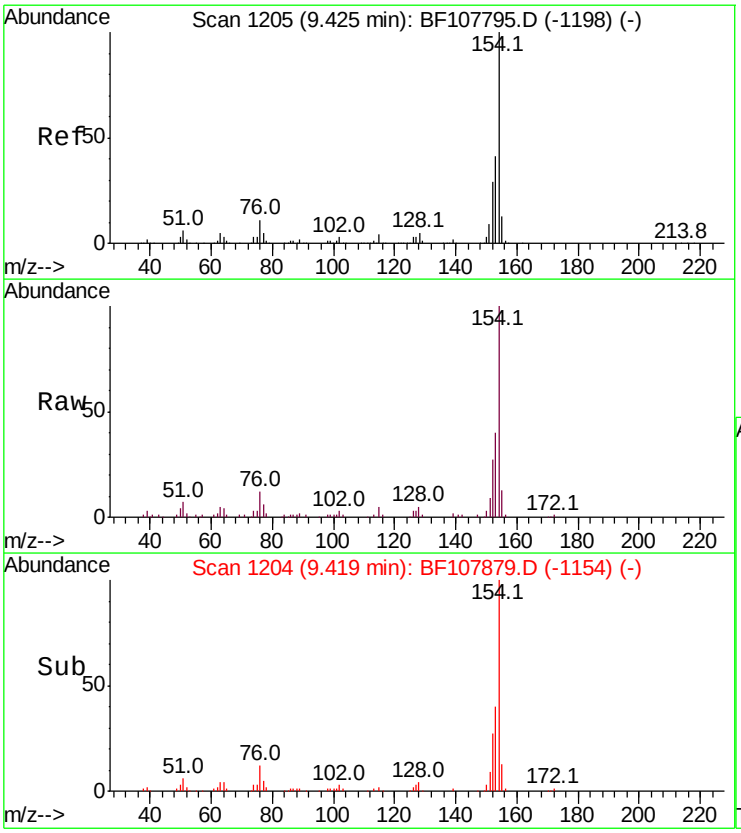
#44
2-Fluorobiphenyl
Concen: 3.070 ng
RT: 9.32 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 43686

Ion	Ratio	Lower	Upper
172	100		
171	34.1	29.7	44.5
170	23.8	19.6	29.4

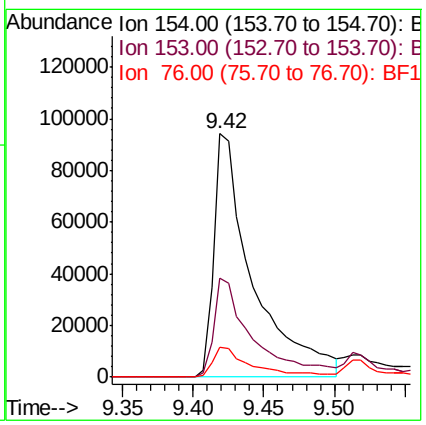


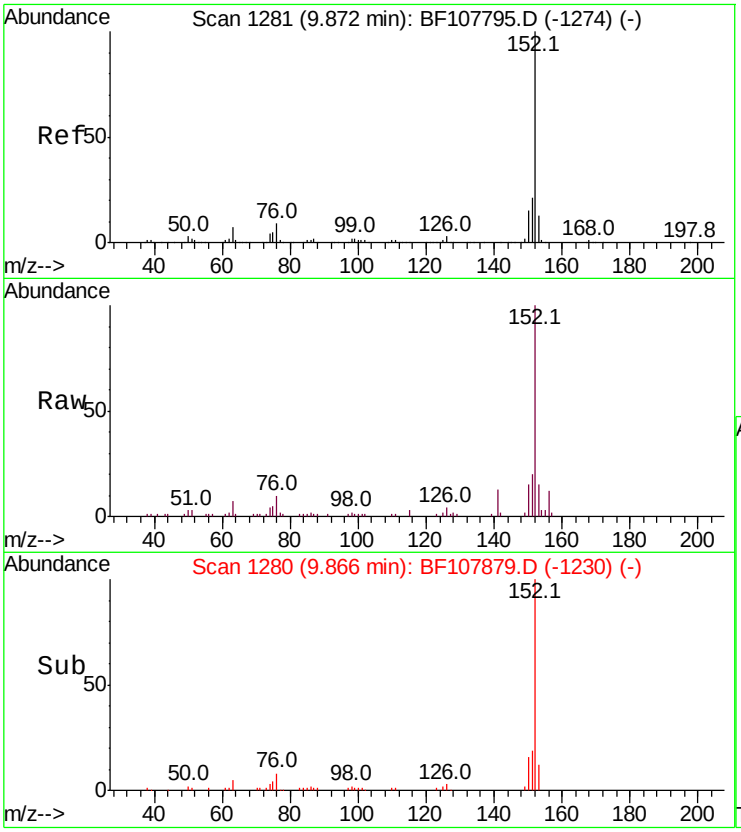


#45
1,1'-Biphenyl
Concen: 10.035 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:154 Resp: 181114

Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.3	61.3
76	12.5	0.0	34.0



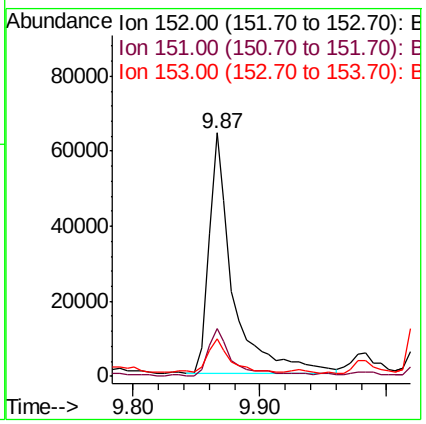


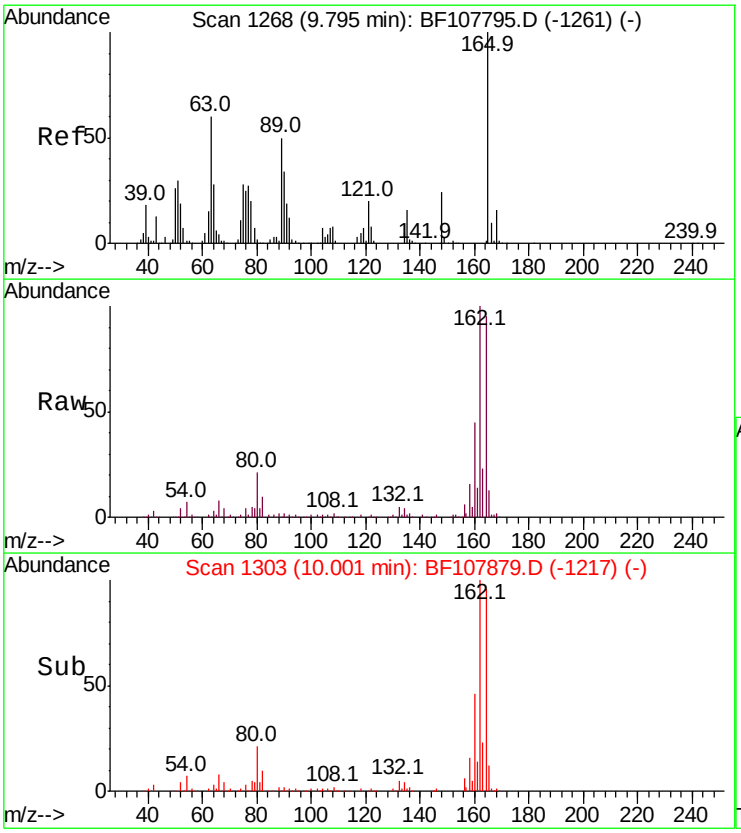
#48
Acenaphthylene
Concen: 4.023 ng
RT: 9.87 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 84893

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	15.4	10.7	16.1

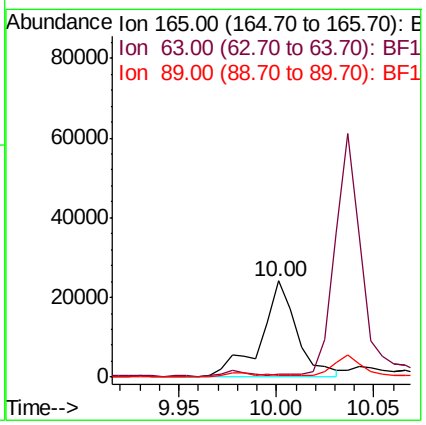


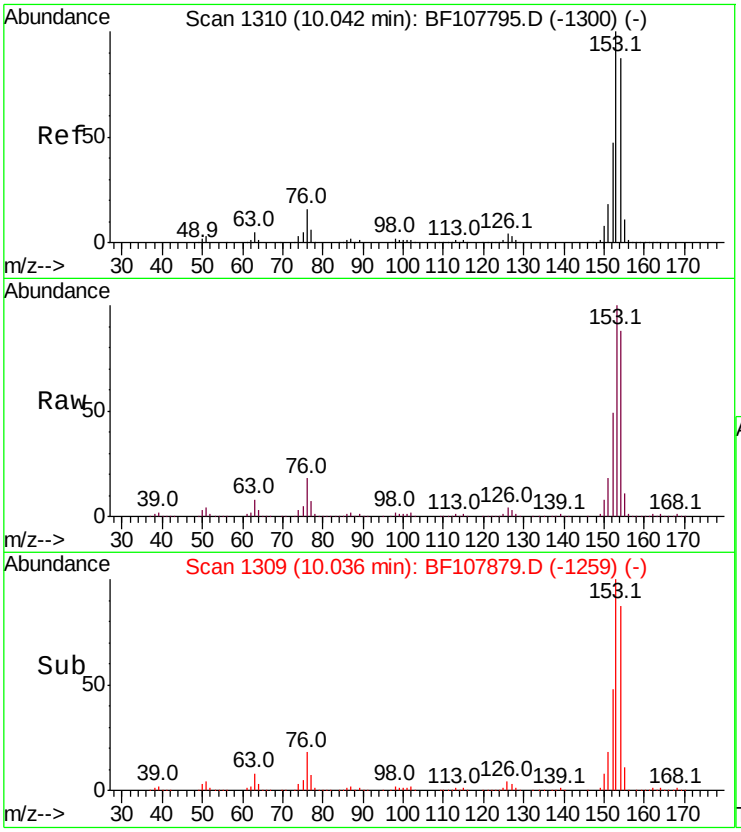


#50
2,6-Dinitrotoluene
Concen: 9.531 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:165 Resp: 30850

Ion	Ratio	Lower	Upper
165	100		
63	2.8	44.7	67.1#
89	2.2	44.0	66.0#



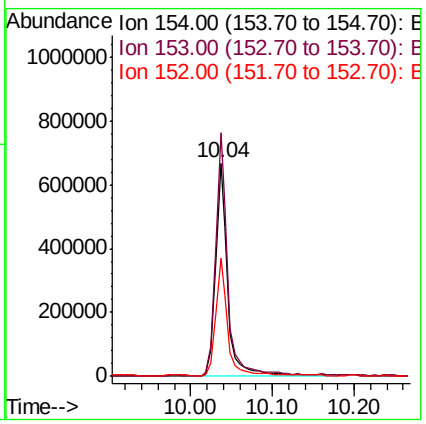


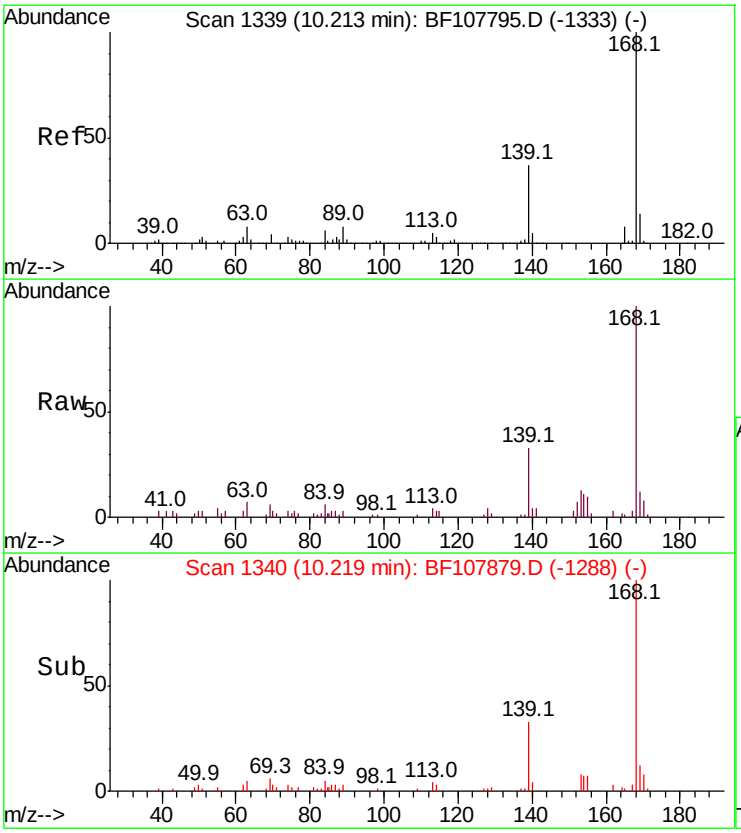
#51
Acenaphthene
Concen: 57.131 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 700253

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.2	136.8
152	55.4	43.8	65.8

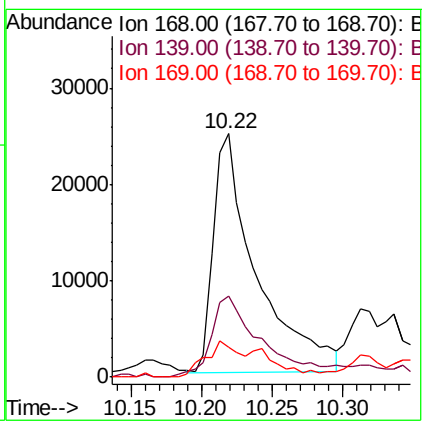


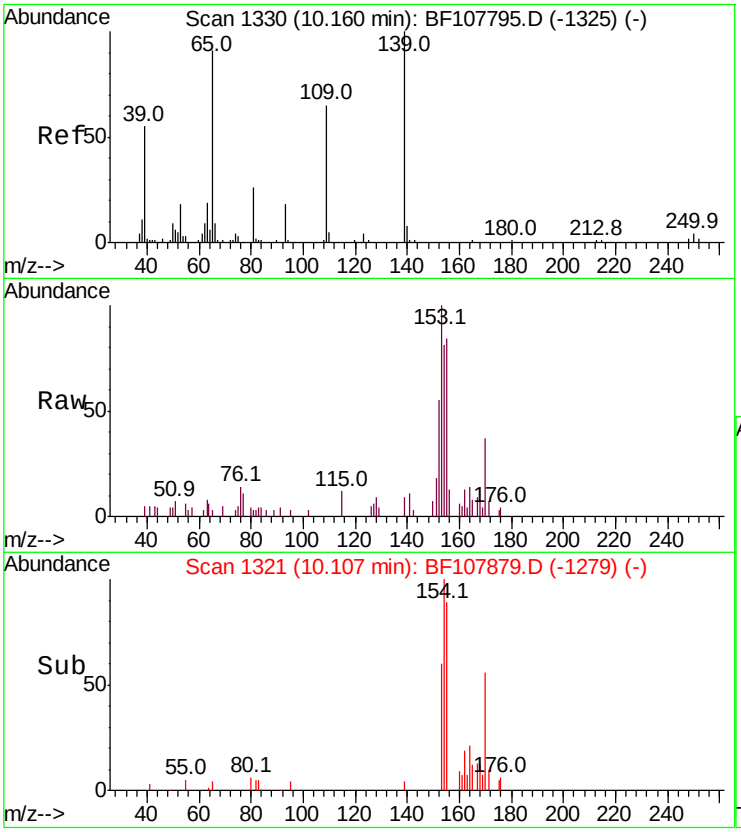


#54
Dibenzofuran
Concen: 2.793 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:168 Resp: 52915

Ion	Ratio	Lower	Upper
168	100		
139	33.2	30.1	45.1
169	12.3	10.9	16.3



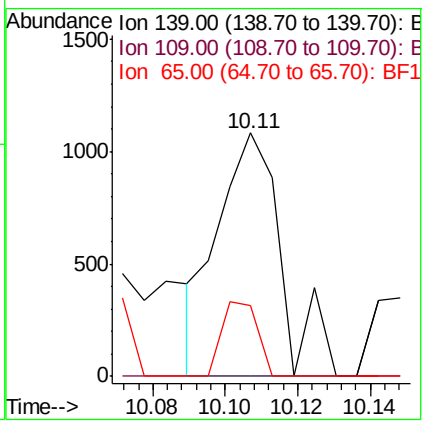


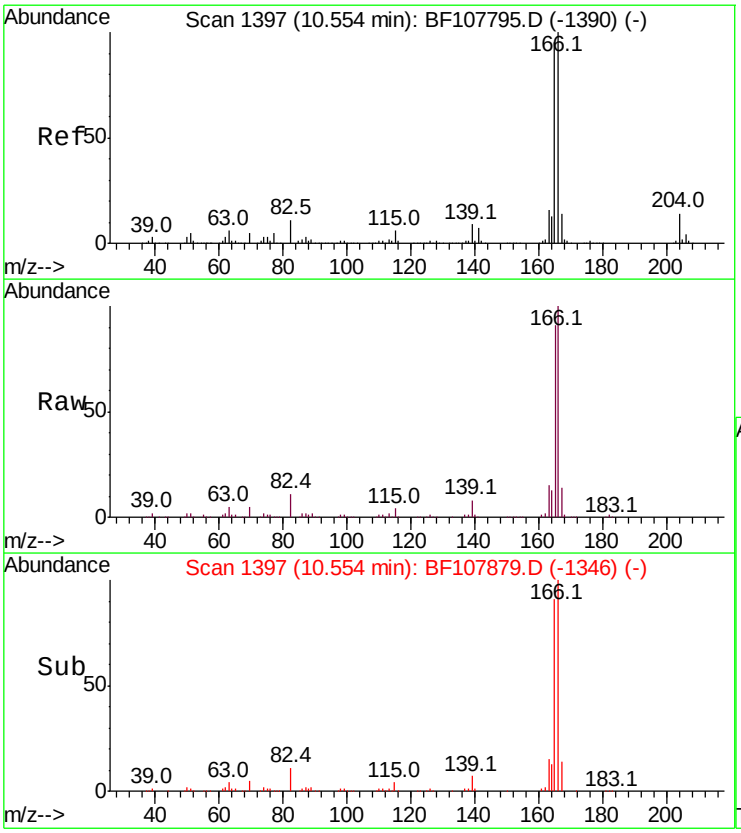
#55
4-Nitrophenol
Concen: 9.917 ng
RT: 10.11 min Scan# 1321
Delta R.T. -0.05 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 1314

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	29.4	72.6	112.6#

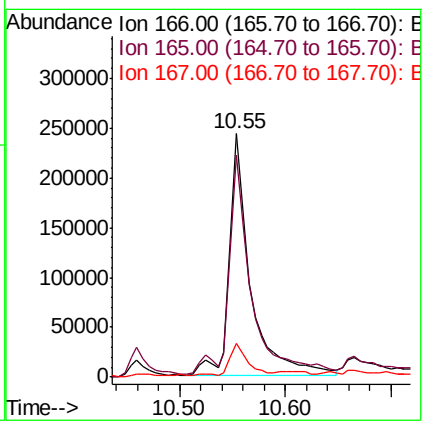


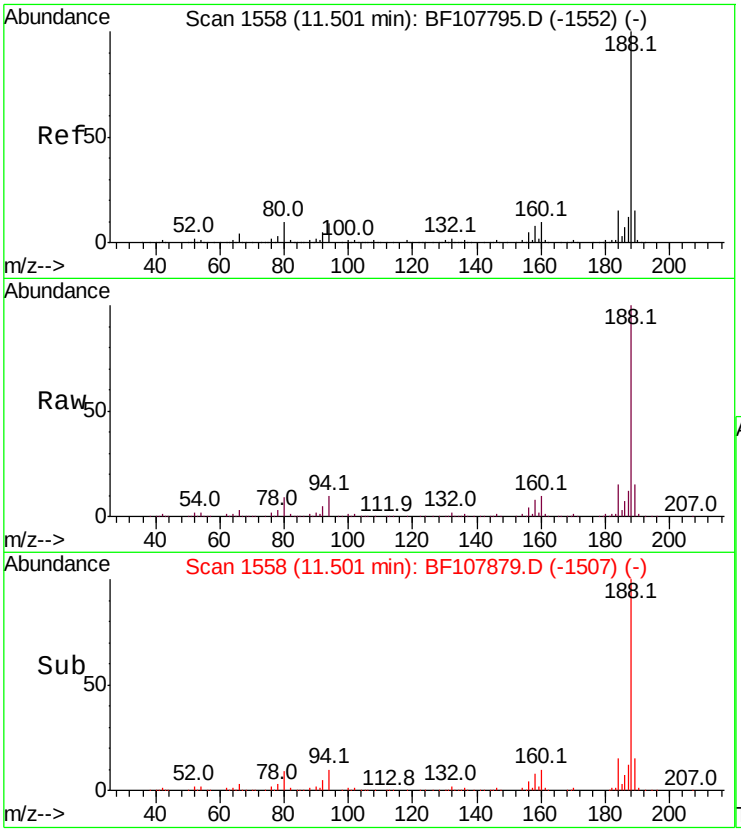


#57
Fluorene
Concen: 22.990 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:166 Resp: 338488

Ion	Ratio	Lower	Upper
166	100		
165	91.4	79.8	119.8
167	14.0	10.6	16.0



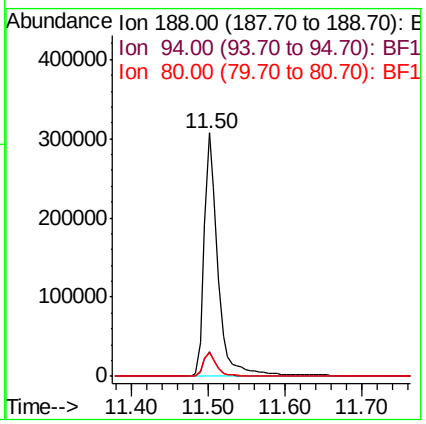


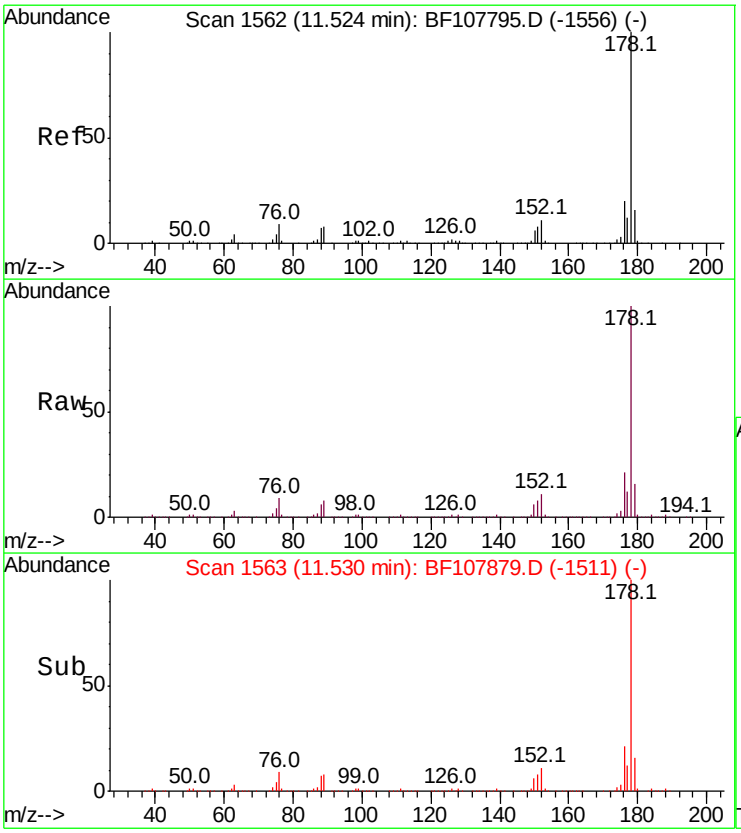
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 384007

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	9.4	9.2	13.8

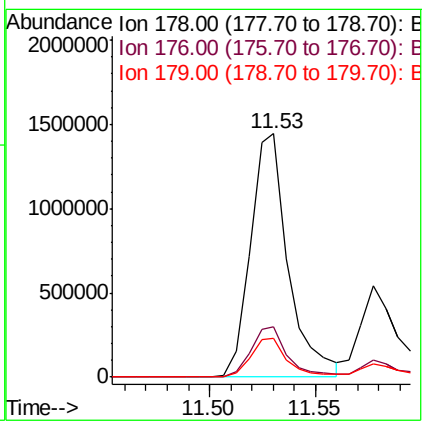


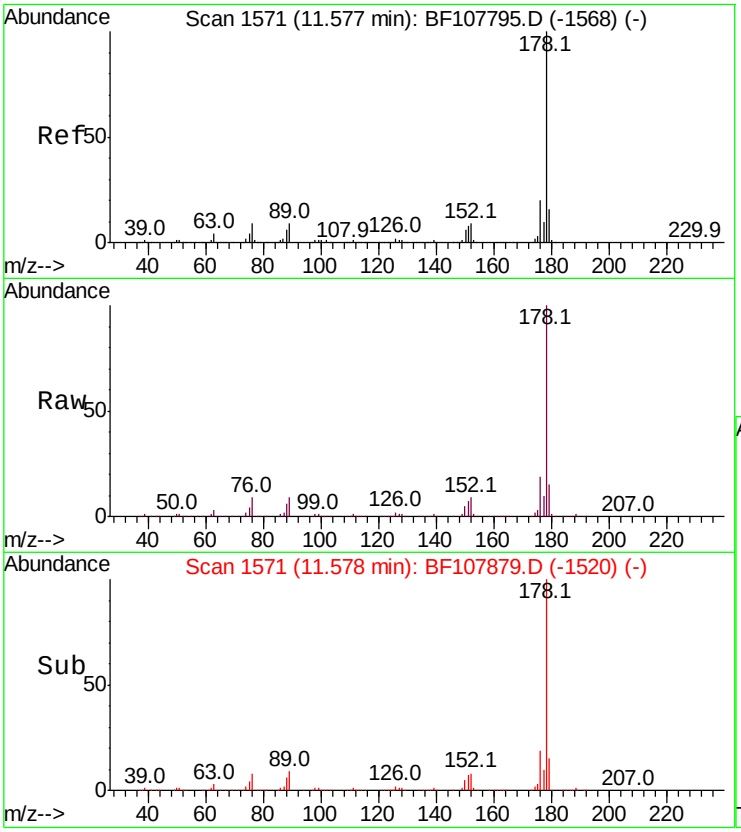


#70
Phenanthrene
Concen: 98.729 ng
RT: 11.53 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:178 Resp: 1800204

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.8	23.8
179	15.8	13.0	19.6



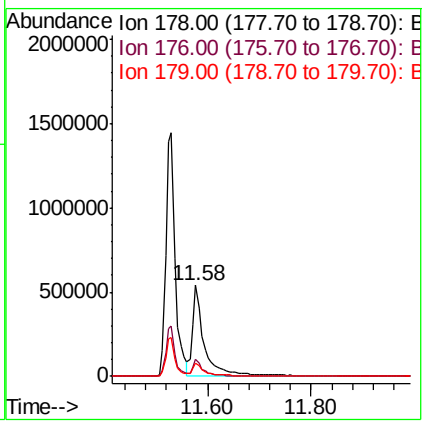


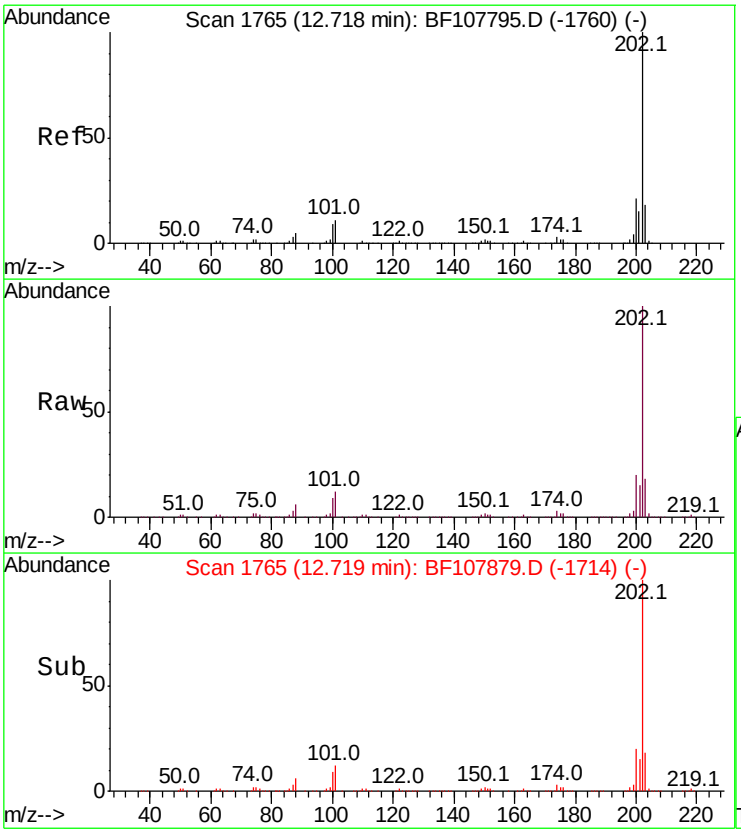
#71
Anthracene
Concen: 41.163 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 865712

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.6	19.0

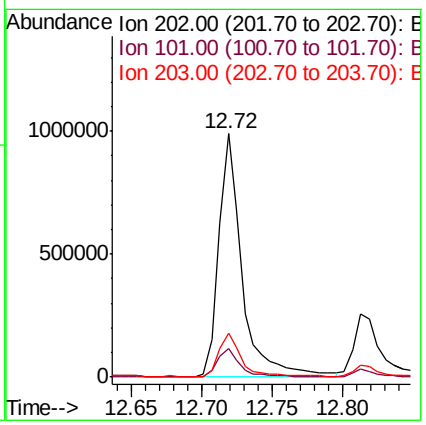


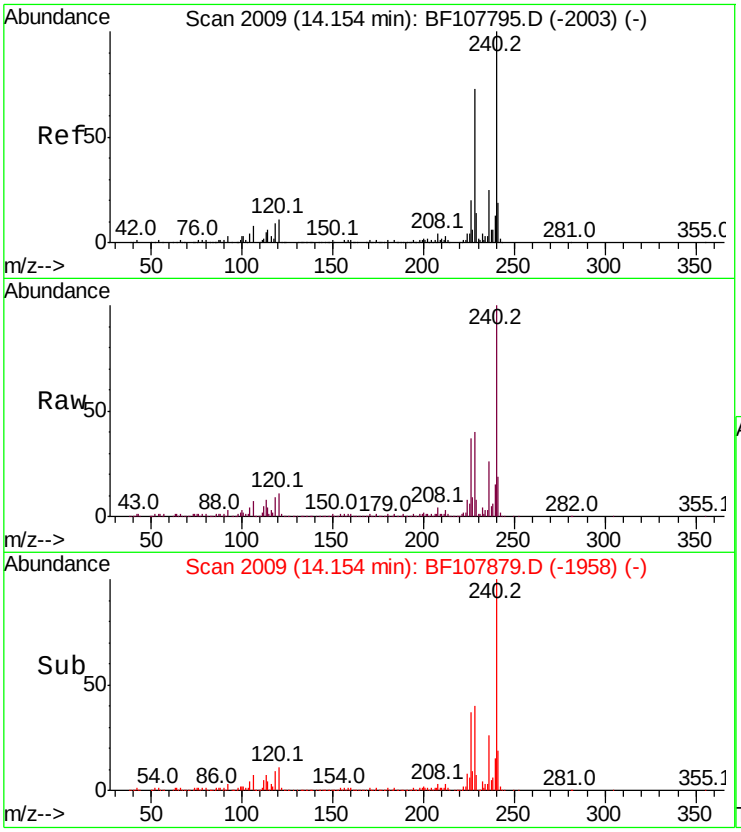


#74
Fluoranthene
Concen: 52.741 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:202 Resp: 1129779

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	18.3	0.0	38.1



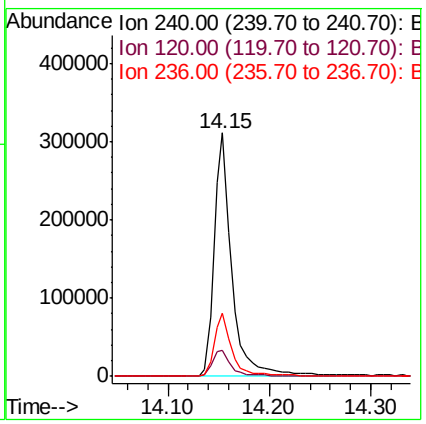


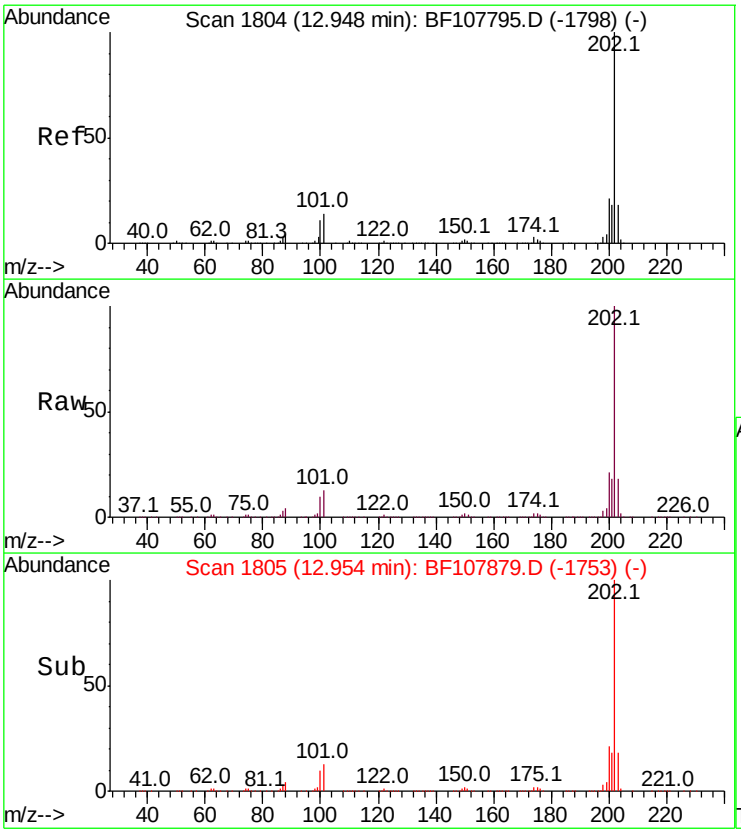
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 375210

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.0	20.7	31.1

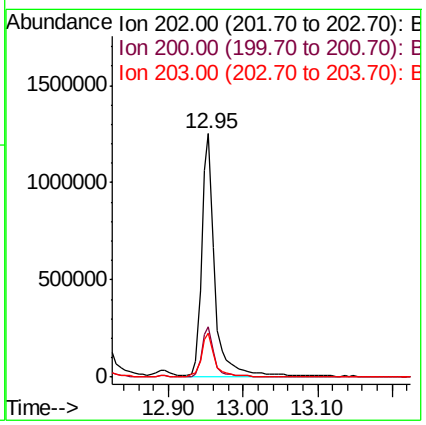


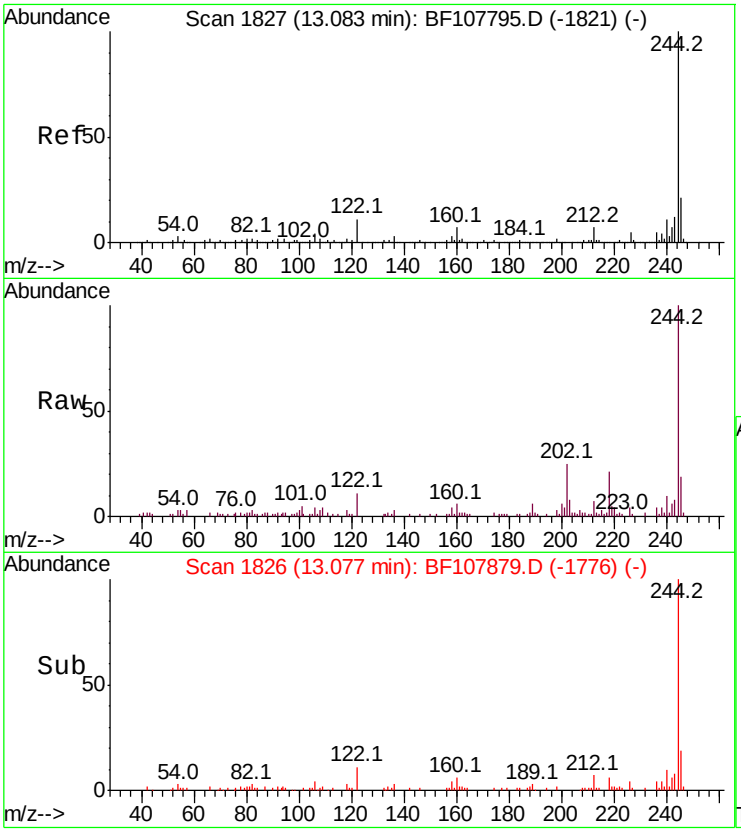


#77
Pyrene
Concen: 55.861 ng
RT: 12.95 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:202 Resp: 1509272

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.2	14.3	21.5



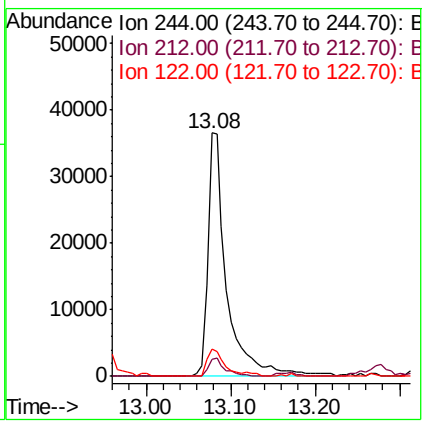


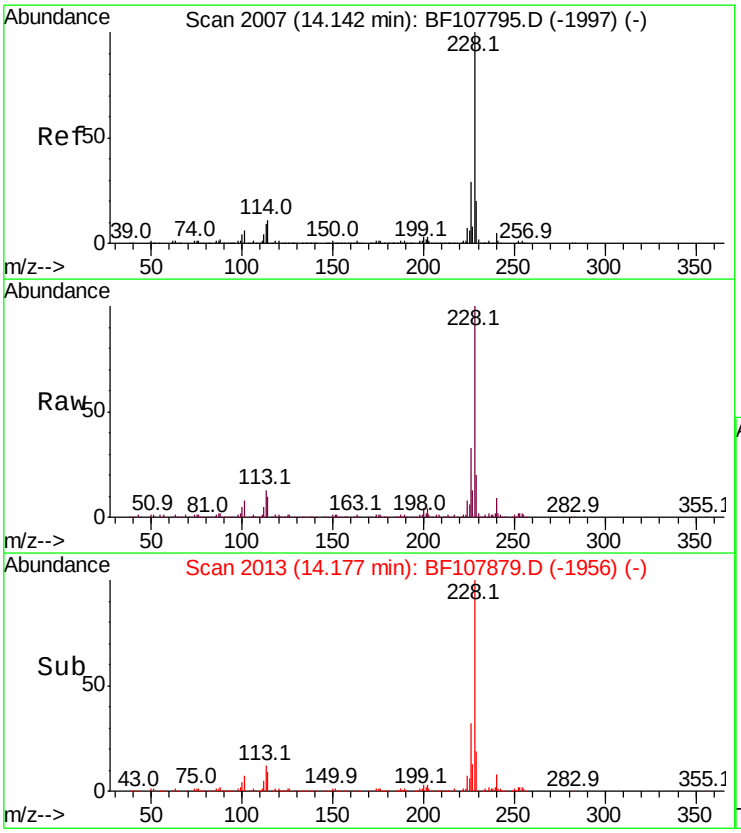
#78
Terphenyl-d14
Concen: 3.309 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 57260

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

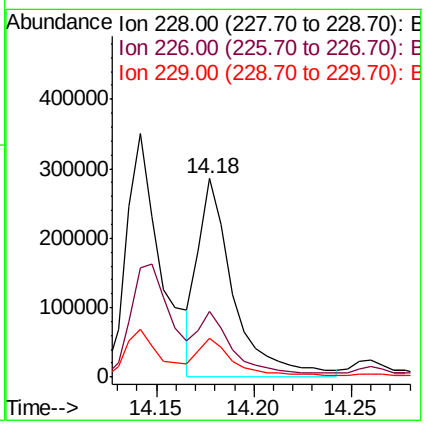


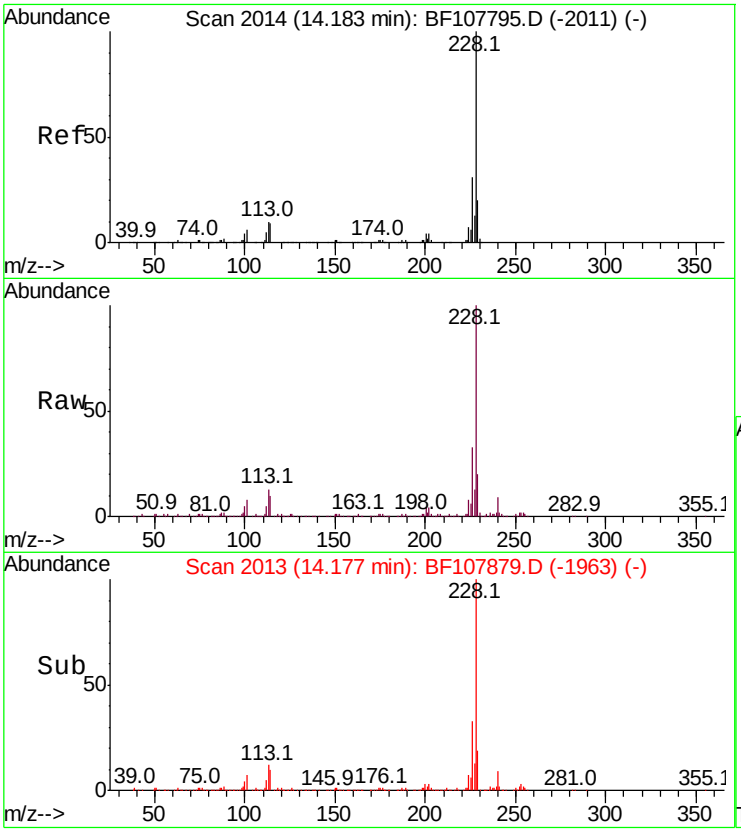


#80
Benzo(a)anthracene
Concen: 16.845 ng
RT: 14.18 min Scan# 2013
Delta R.T. 0.04 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:228 Resp: 358024

Ion	Ratio	Lower	Upper
228	100		
226	32.8	22.6	33.8
229	19.8	15.8	23.6



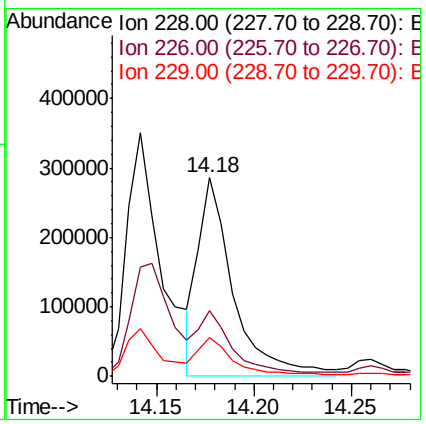


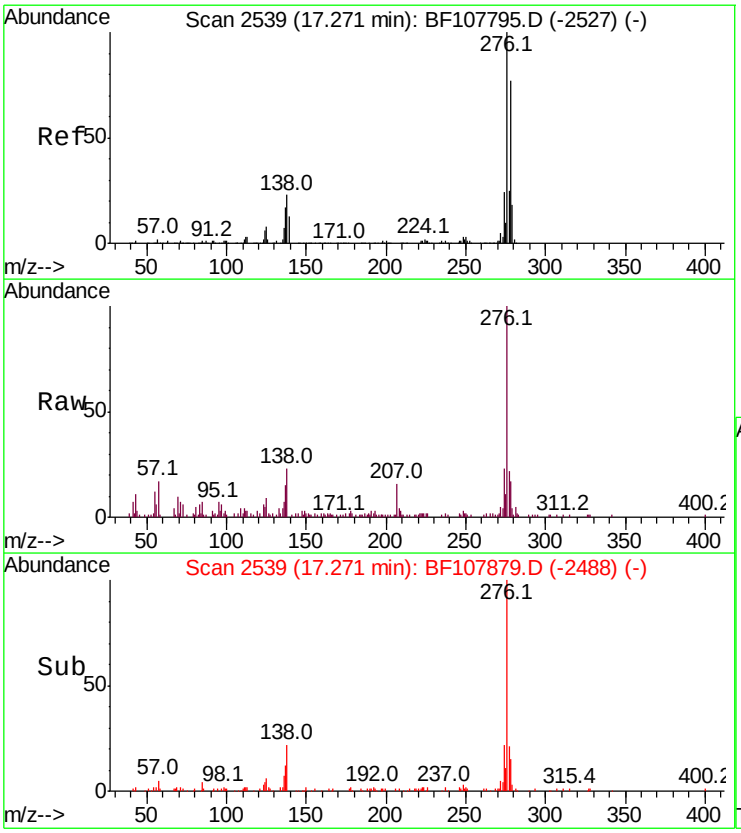
#82
Chrysene
Concen: 15.617 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 358024

Ion	Ratio	Lower	Upper
228	100		
226	32.8	25.0	37.6
229	19.8	16.2	24.4

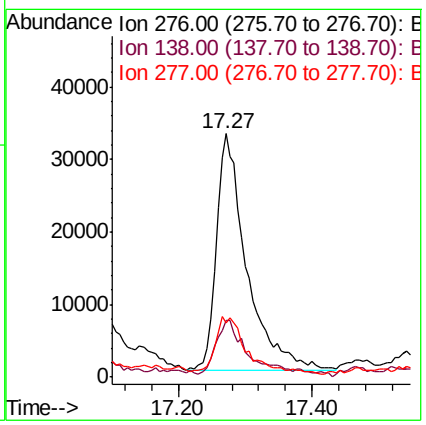


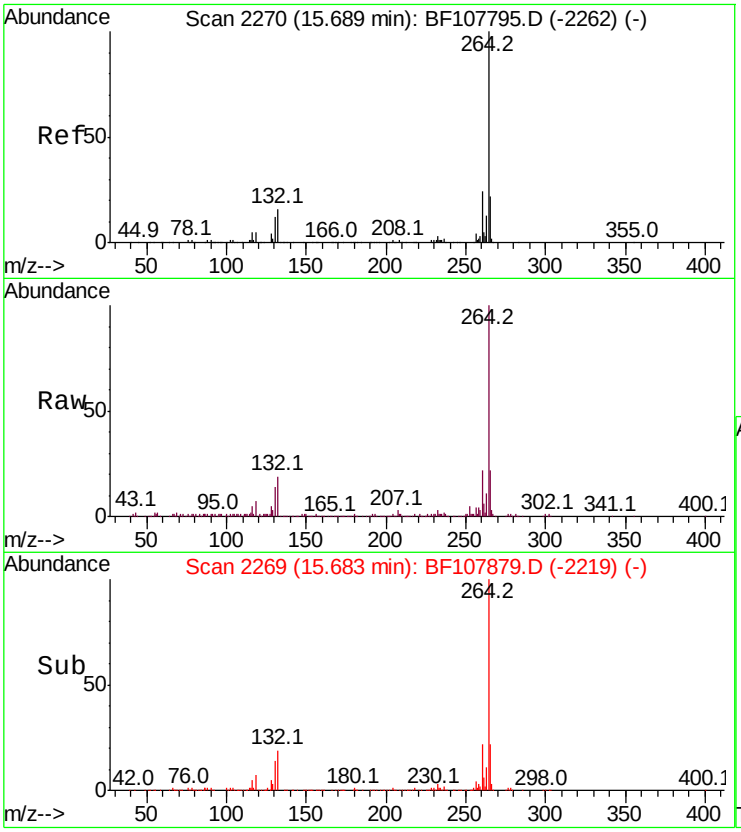


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.890 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:276 Resp: 102711

Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	25.1	20.1	30.1



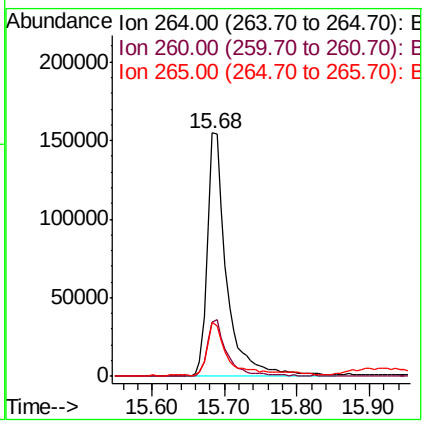


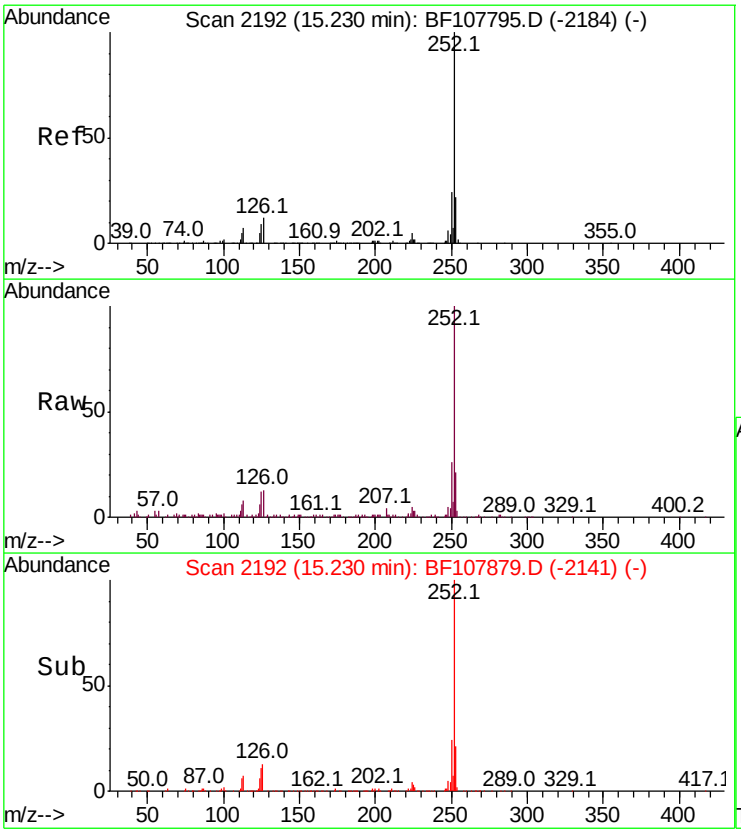
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 289526

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.3	17.5	26.3

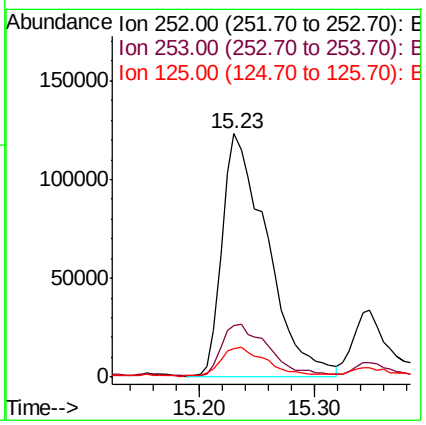


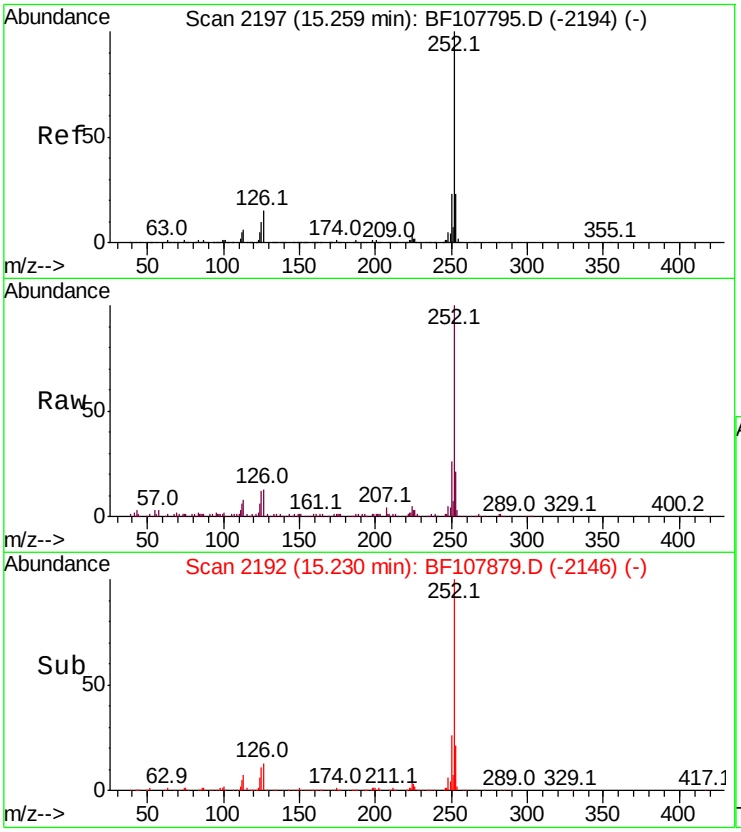


#87
Benzo(b)fluoranthene
Concen: 23.219 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:252 Resp: 331554

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	11.8	9.0	13.6



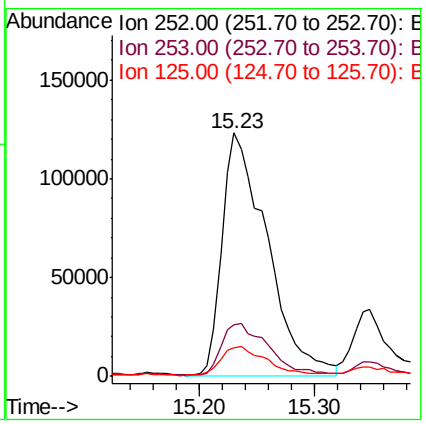


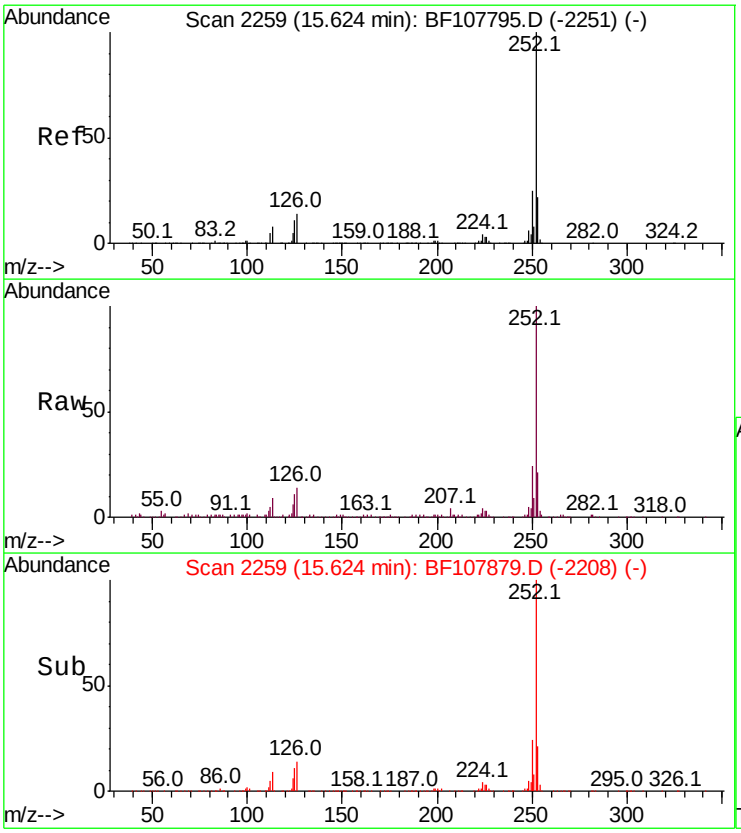
#88
Benzo(k)fluoranthene
Concen: 18.912 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 331554

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	11.8	10.2	15.2

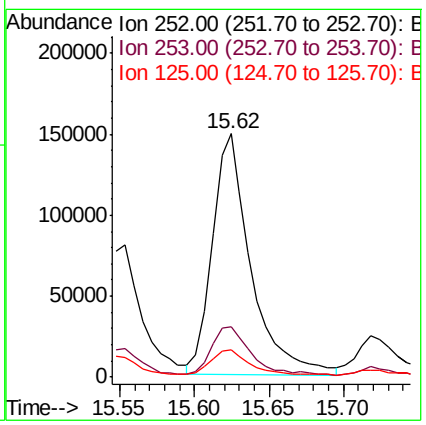


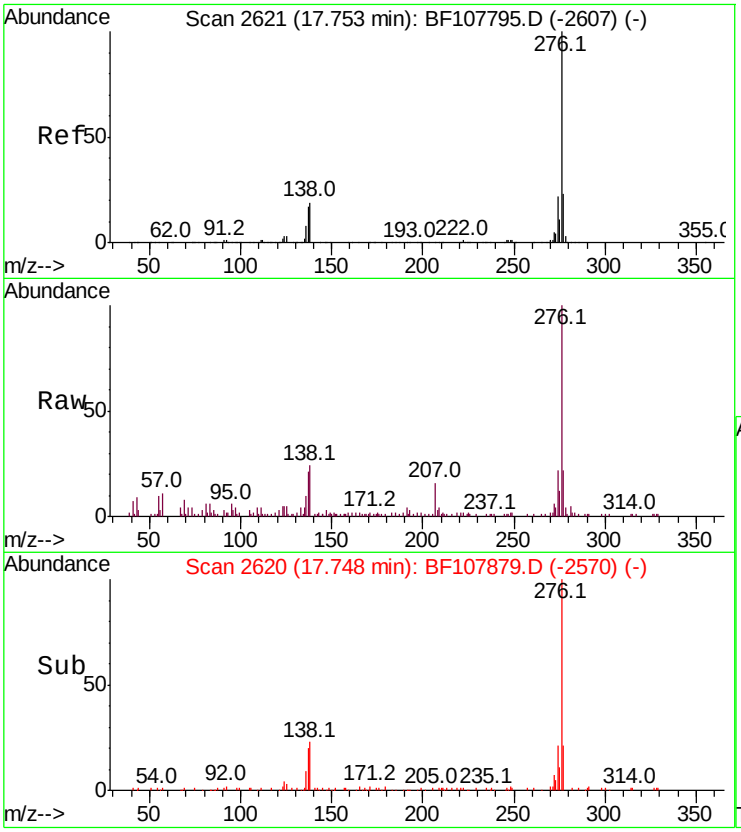


#89
Benzo(a)pyrene
Concen: 18.253 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Tgt Ion:252 Resp: 269075

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.1	25.7
125	11.0	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 9.317 ng
RT: 17.75 min Scan# 2620
Delta R.T. -0.01 min
Lab File: BF107879.D
Acq: 1 Aug 2018 5:03

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 115920

Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	24.1	21.8	32.8