Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080118\
Data File : BF107891.D
Acq On : 1 Aug 2018 16:13
Operator : JU/SJ
Sample : J4164-09 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2(3-5)

Quant Time: Aug 01 16:58:16 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	130244	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	618558	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	253769	20.00	ng		0.00
63) Phenanthrene-d10	11.50	188	457030	20.00	ng		0.00
75) Chrysene-d12	14.15	240	375488	20.00	ng		0.00
86) Perylene-d12	15.69	264	445179	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.61	112	114985	15.00	ng		0.01
7) Phenol-d6	6.61	99	204664	20.26	ng		0.00
23) Nitrobenzene-d5	7.54	82	115038	10.71	ng		0.00
41) 2,4,6-Tribromophenol	10.80	330	57577	16.70	ng		0.00
44) 2-Fluorobiphenyl	9.31	172	275204	15.11	ng		0.00
78) Terphenyl-d14	13.08	244	209484	12.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.80	88	118	5.822	ng	#	1
25) Isophorone	7.54	82	115038	6.527	ng	#	64
50) 2,6-Dinitrotoluene	10.00	165	32345	7.810	ng	#	26
55) 4-Nitrophenol	10.22	139	7233	11.914	ng	#	20
56) 2,4-Dinitrotoluene	10.00	165	33525	6.159	ng	#	23
57) Fluorene	10.55	166	41051	2.179	ng	#	90
70) Phenanthrene	11.52	178	373213	17.198	ng		98
71) Anthracene	11.58	178	134794	5.385	ng		98
74) Fluoranthene	12.72	202	603122	23.657	ng		96
77) Pyrene	12.95	202	525308	19.428	ng		97
80) Benzo(a)anthracene	14.14	228	298509	14.034	ng		98
82) Chrysene	14.18	228	237980	10.373	ng		98
85) Indeno(1,2,3-cd)pyrene	17.27	276	138435	7.933	ng	#	85
87) Benzo(b)fluoranthene	15.23	252	459543	20.930	ng		97
88) Benzo(k)fluoranthene	15.23	252	459543	17.047	ng		98
89) Benzo(a)pyrene	15.62	252	265050	11.693	ng		96
91) Benzo(g,h,i)perylene	17.75	276	122854	6.422	ng		94

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

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QLast Update : Mon Jul 30 17:48:53 2018
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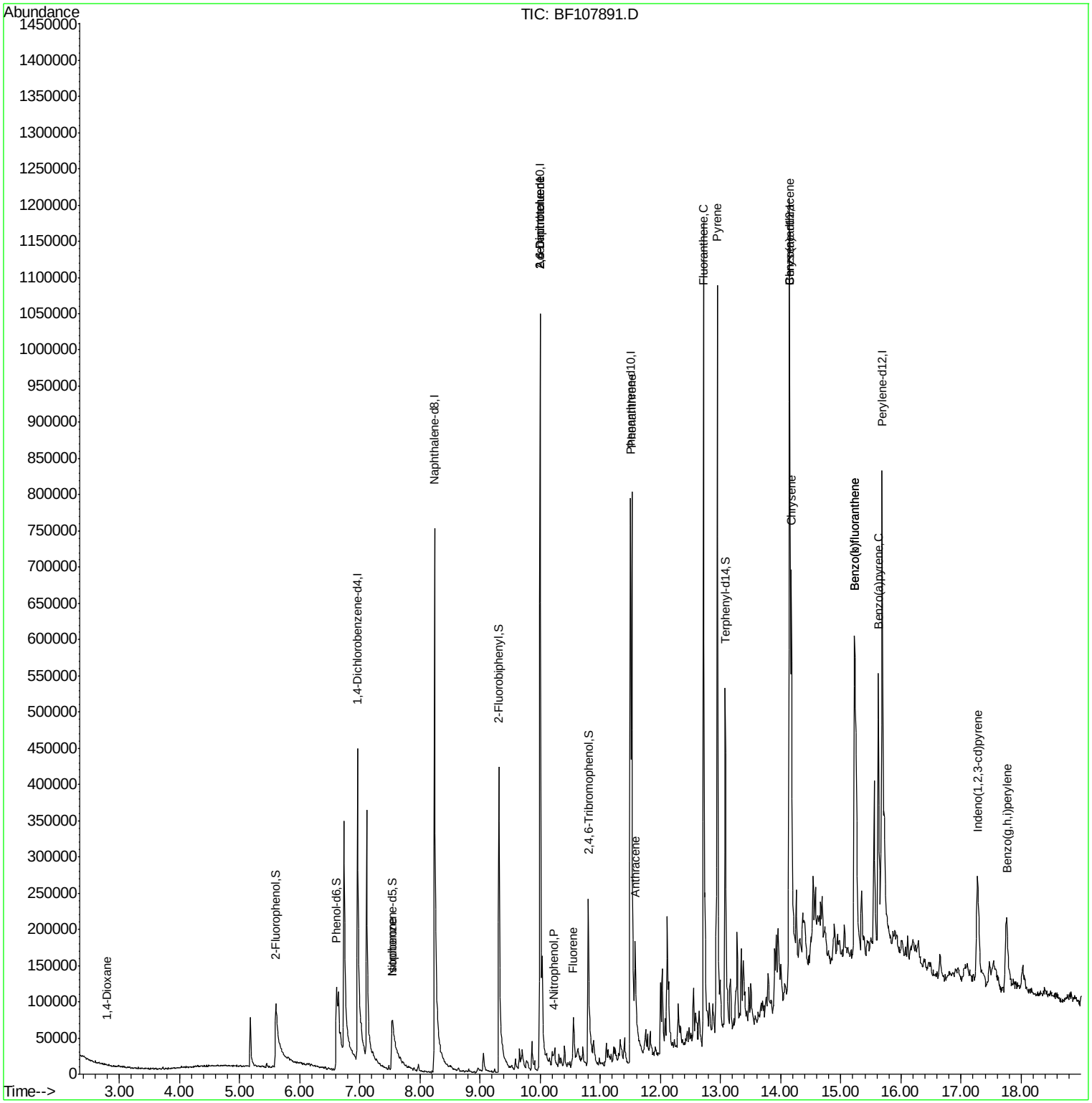
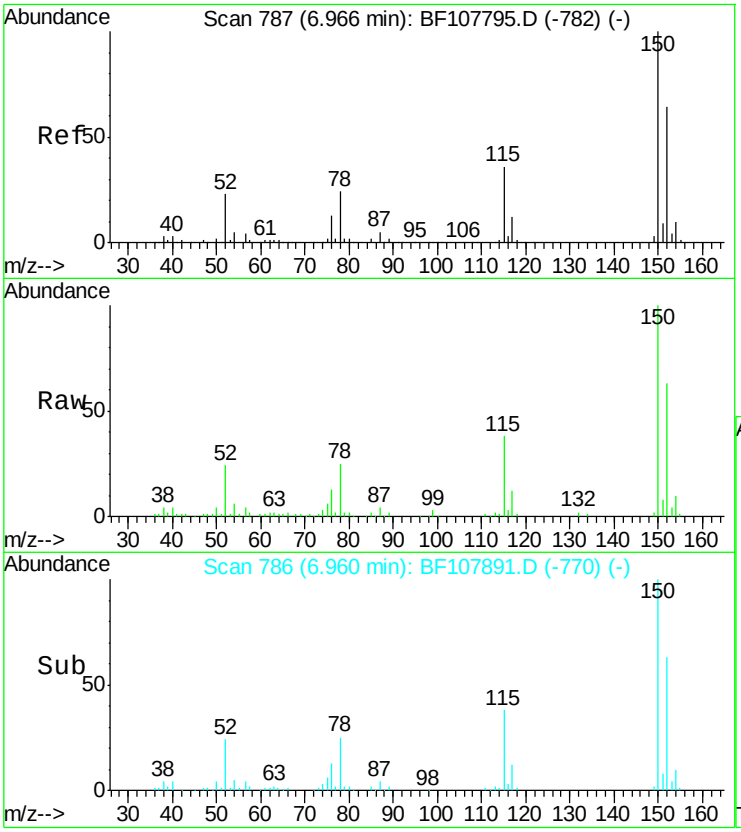


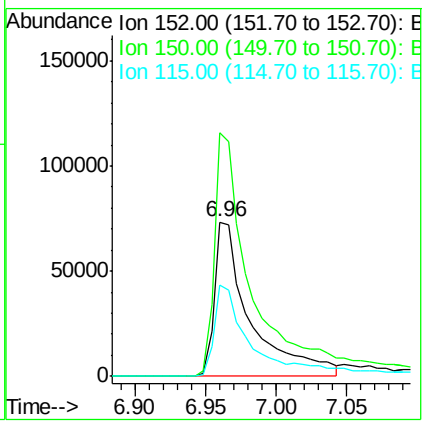


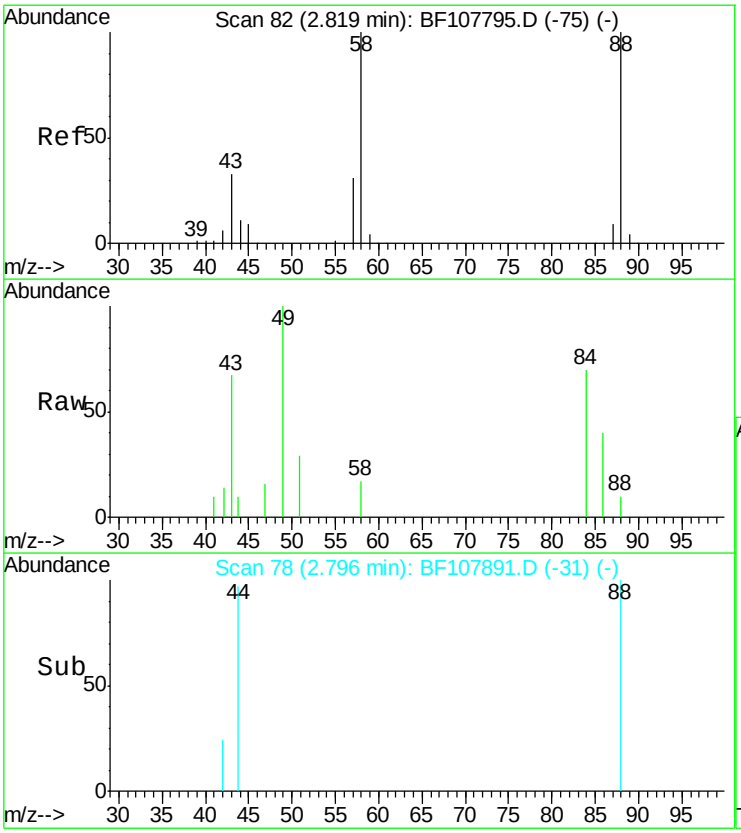
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:152 Resp: 130244

Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	59.6	50.1	75.1

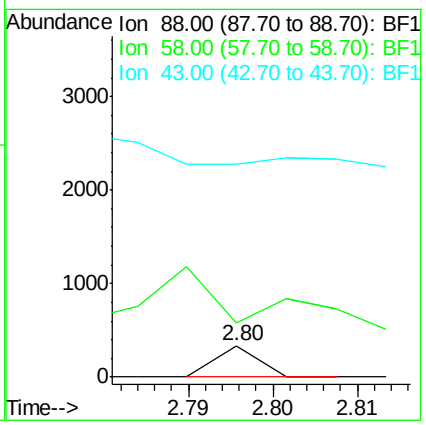


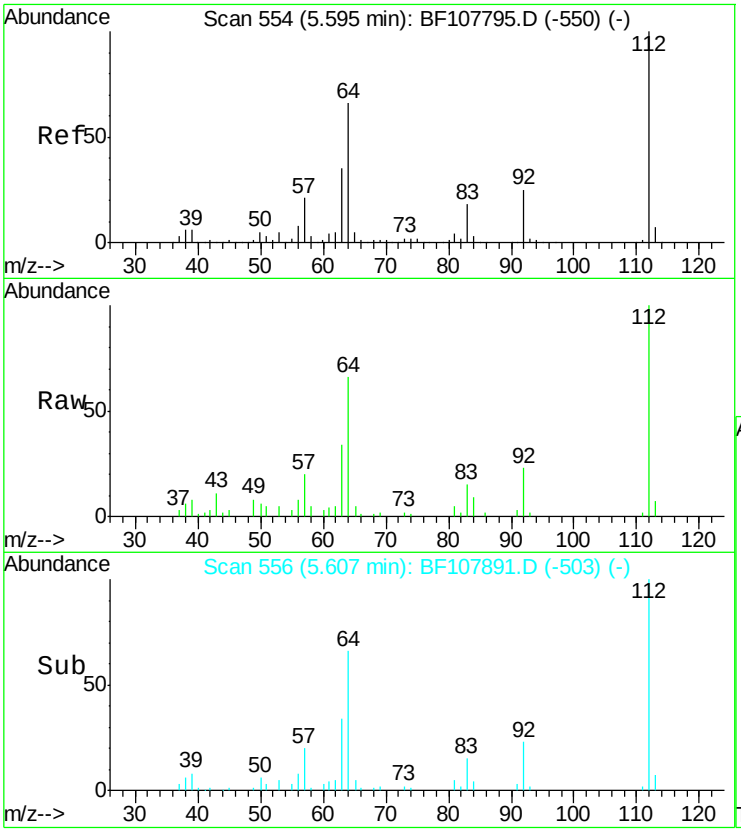


#2
1,4-Dioxane
Concen: 5.822 ng
RT: 2.80 min Scan# 78
Delta R.T. -0.02 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion: 88 Resp: 118

Ion	Ratio	Lower	Upper
88	100		
58	626.3	62.6	93.8#
43	0.0	24.6	37.0#



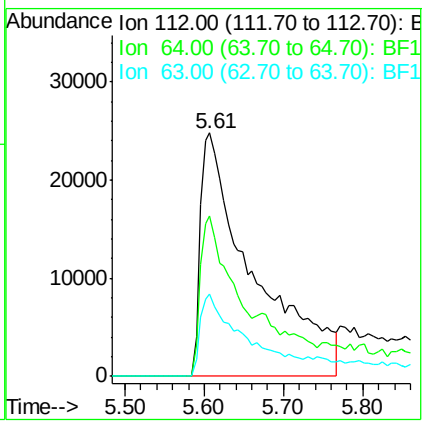


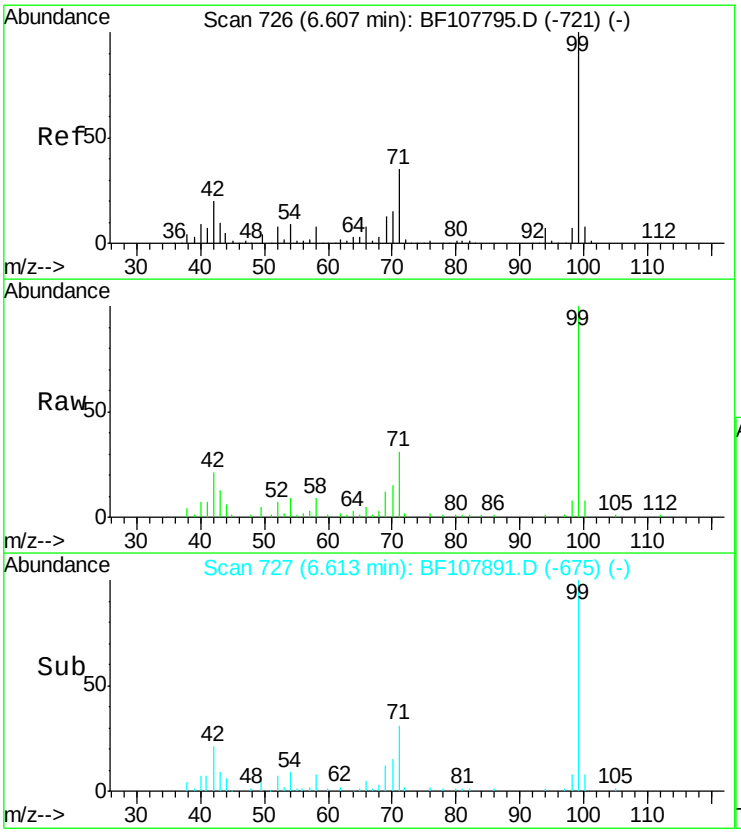
#5
2-Fluorophenol
Concen: 15.004 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:112 Resp: 114985

Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	33.9	23.7	35.5

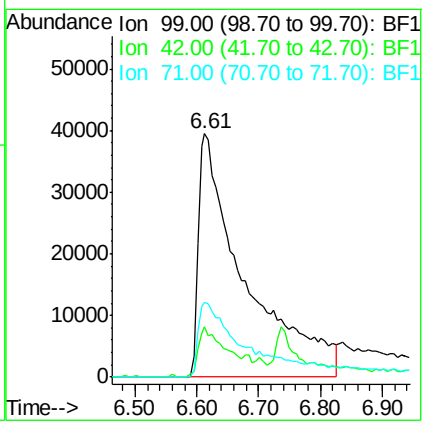


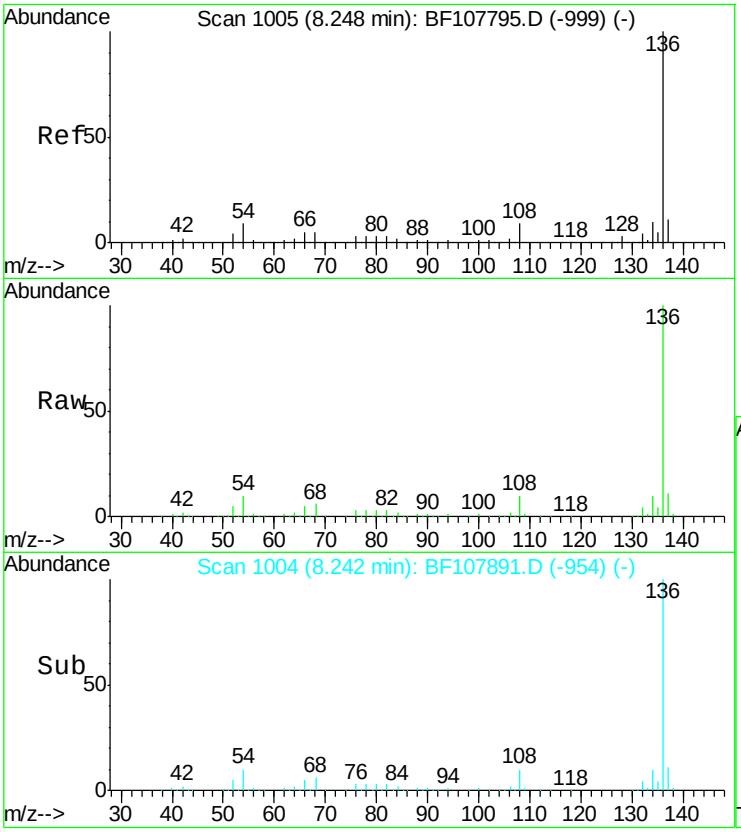


#7
Phenol-d6
Concen: 20.264 ng
RT: 6.61 min Scan# 727
Delta R.T. 0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion: 99 Resp: 204664

Ion	Ratio	Lower	Upper
99	100		
42	20.6	14.5	21.7
71	30.7	25.4	38.0



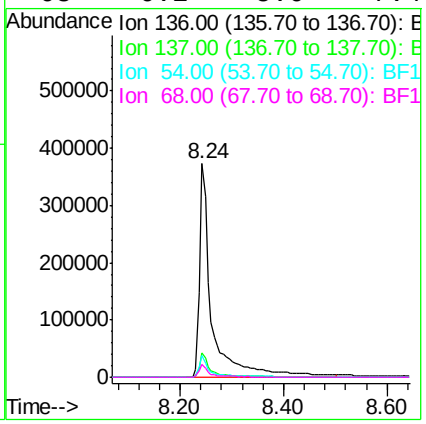


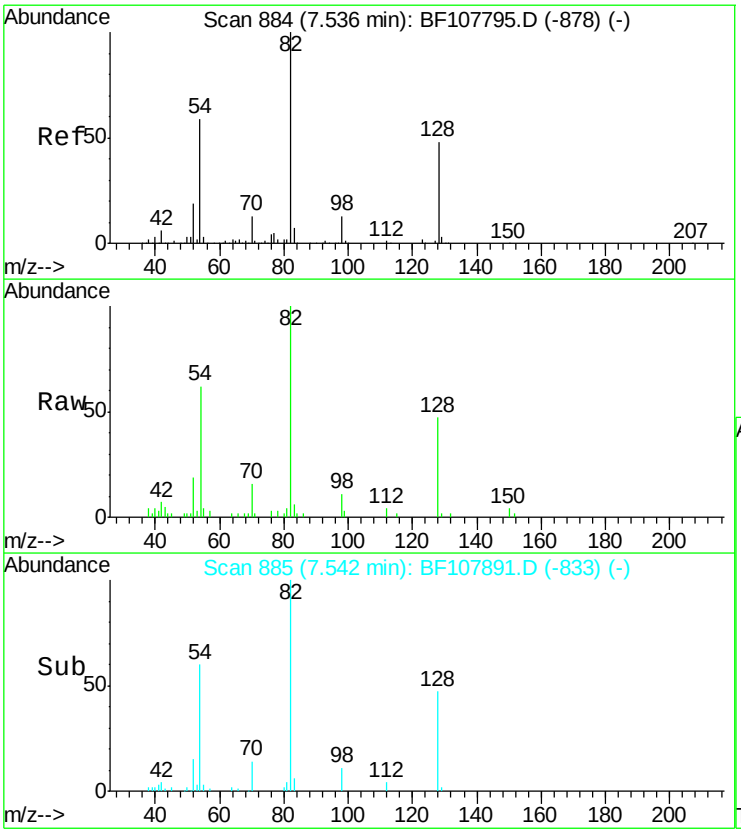
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:136 Resp: 618558

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	6.2	5.0	7.4

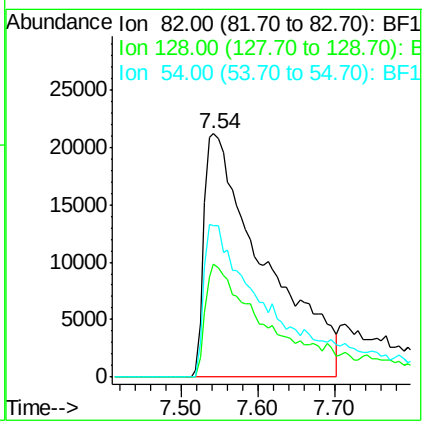


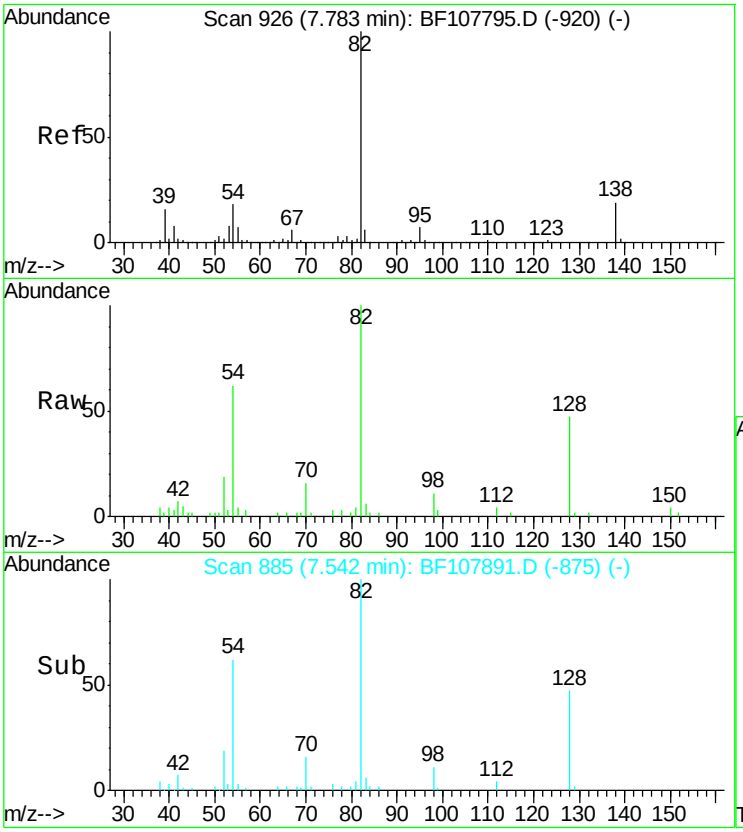


#23
Nitrobenzene-d5
Concen: 10.714 ng
RT: 7.54 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion: 82 Resp: 115038

Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	62.1	41.4	62.2



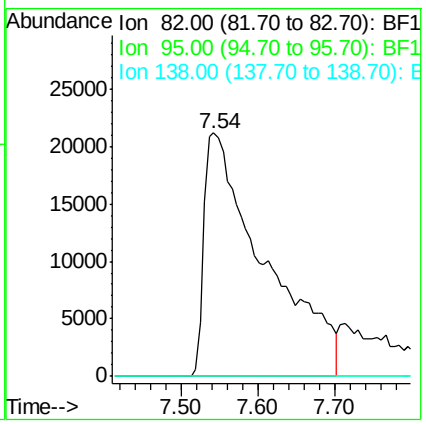


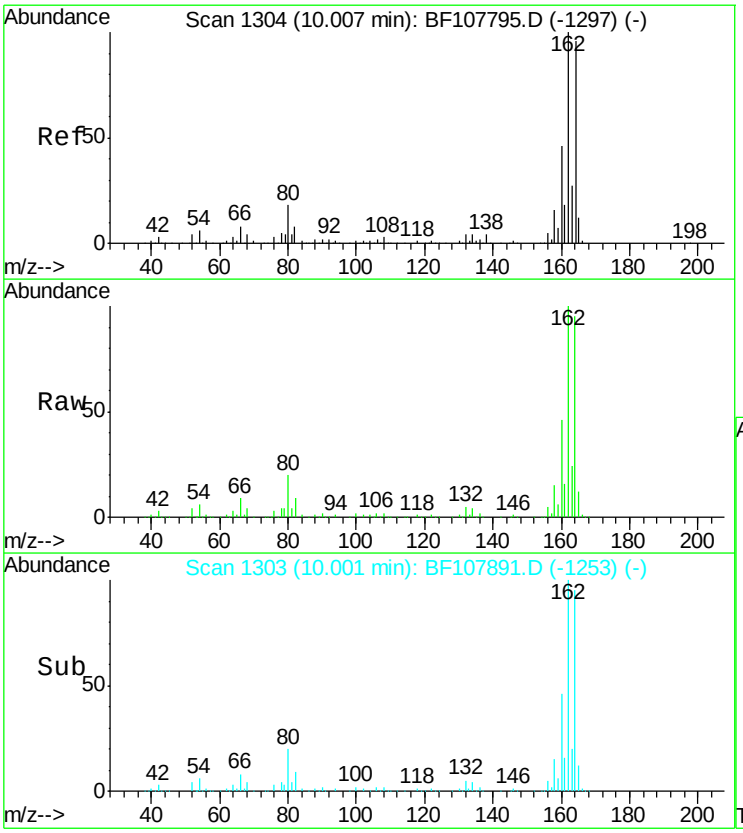
#25
Isophorone
Concen: 6.527 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.24 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion: 82 Resp: 115038

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

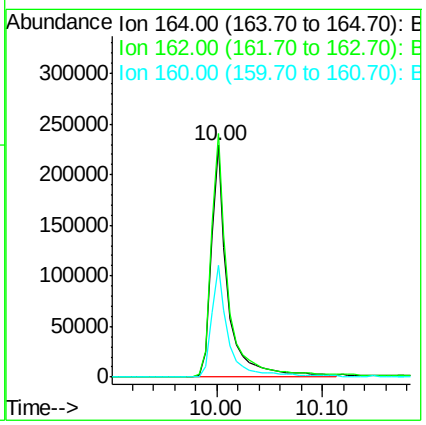


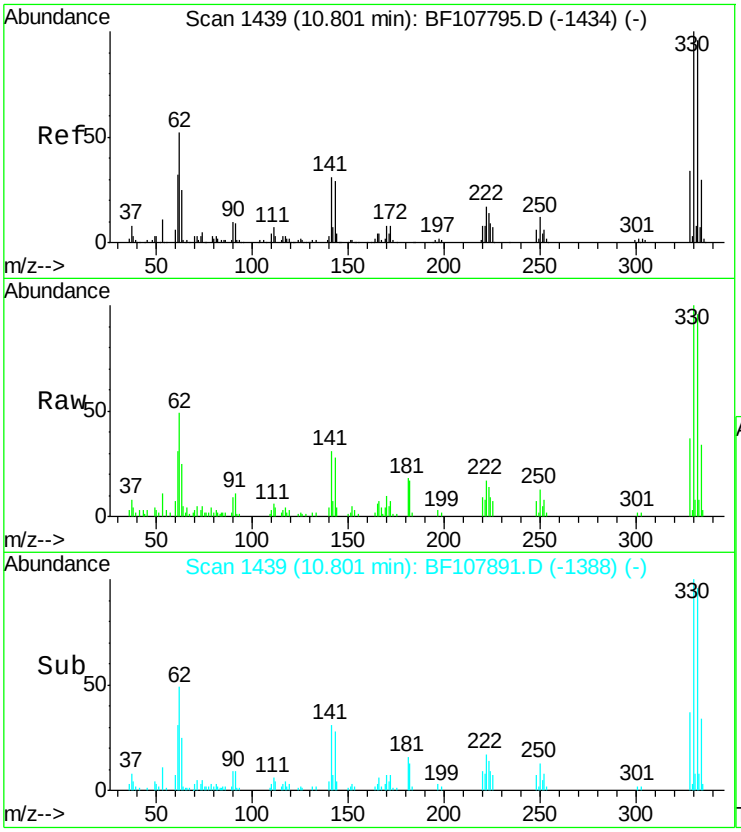


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:164 Resp: 253769

Ion	Ratio	Lower	Upper
164	100		
162	105.1	86.1	129.1
160	48.1	38.3	57.5



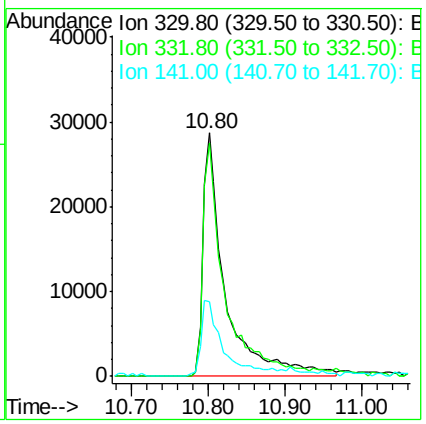


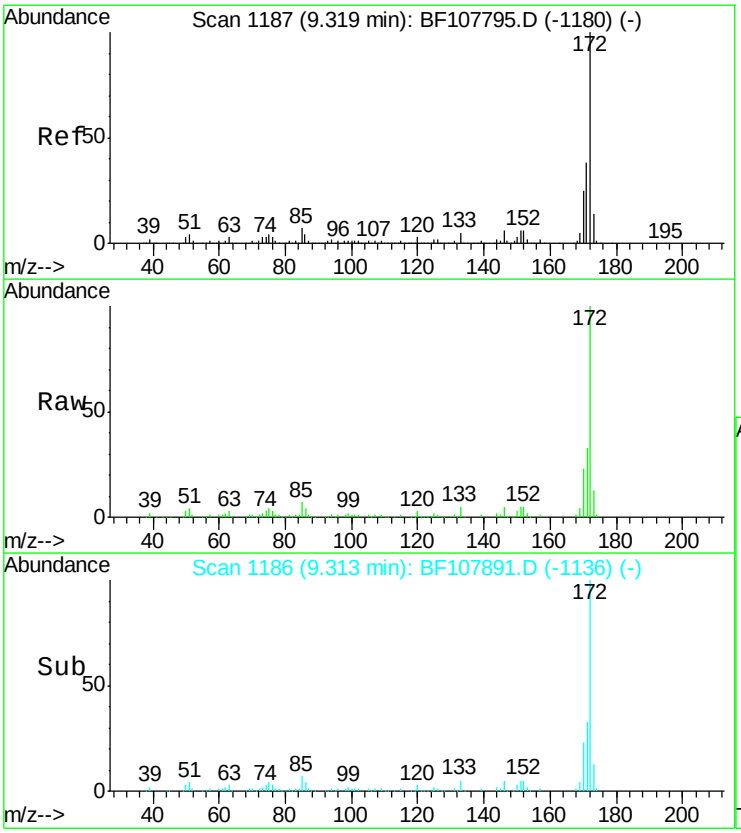
#41
2,4,6-Tribromophenol
Concen: 16.698 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:330 Resp: 57577

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.0	115.6
141	30.2	29.9	44.9

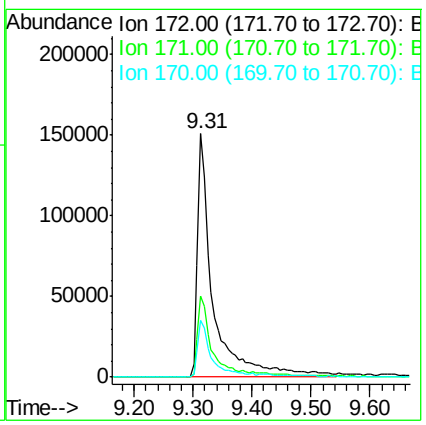


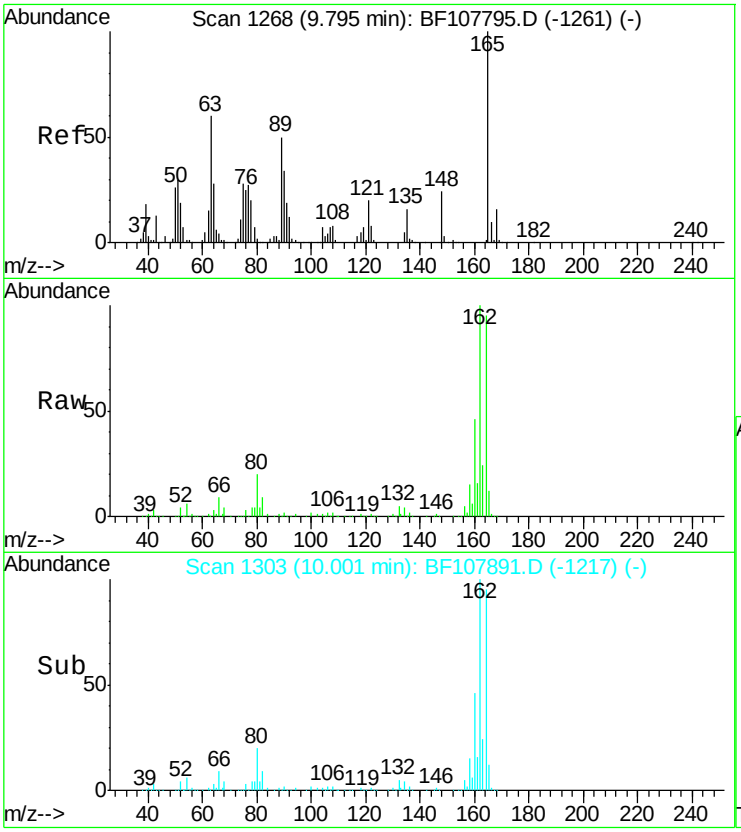


#44
2-Fluorobiphenyl
Concen: 15.112 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:172 Resp: 275204

Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.7	44.5
170	23.4	19.6	29.4



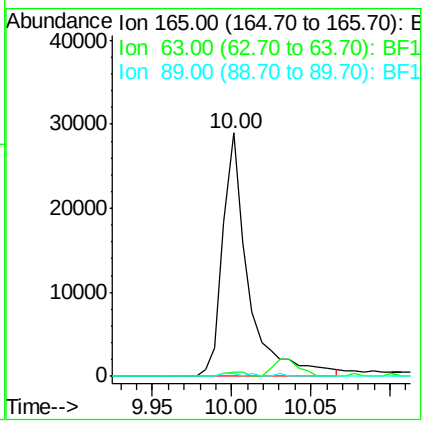


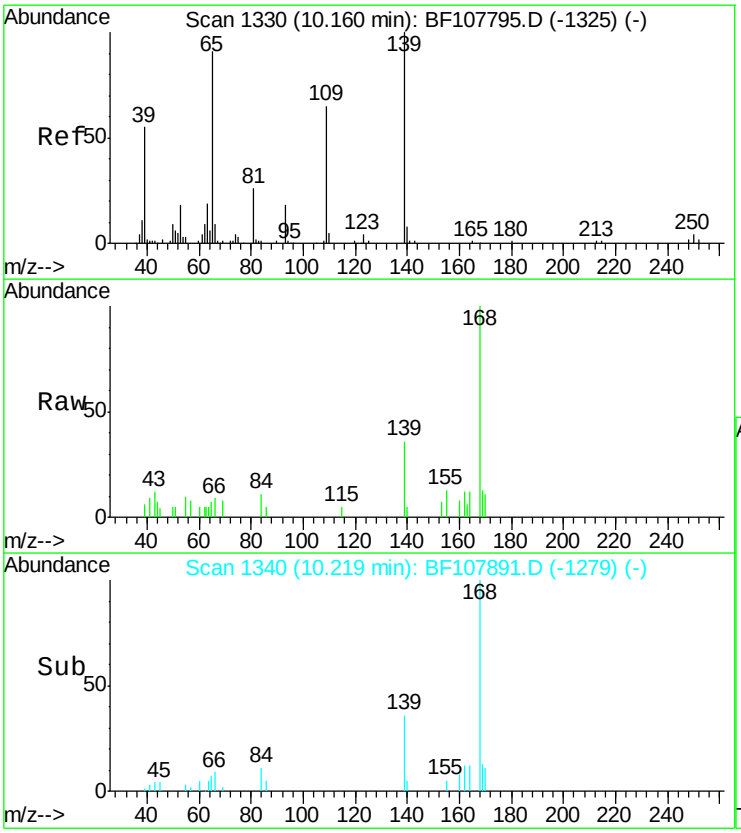
#50
2,6-Dinitrotoluene
Concen: 7.810 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.21 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:165 Resp: 32345

Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.2	44.0	66.0#

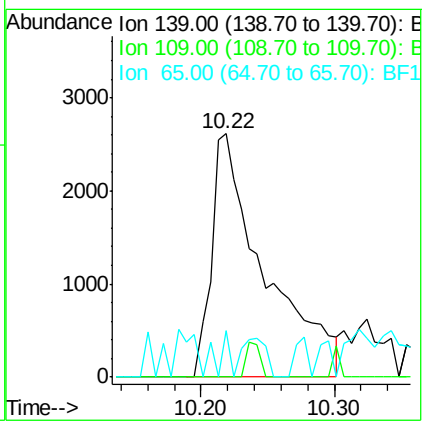


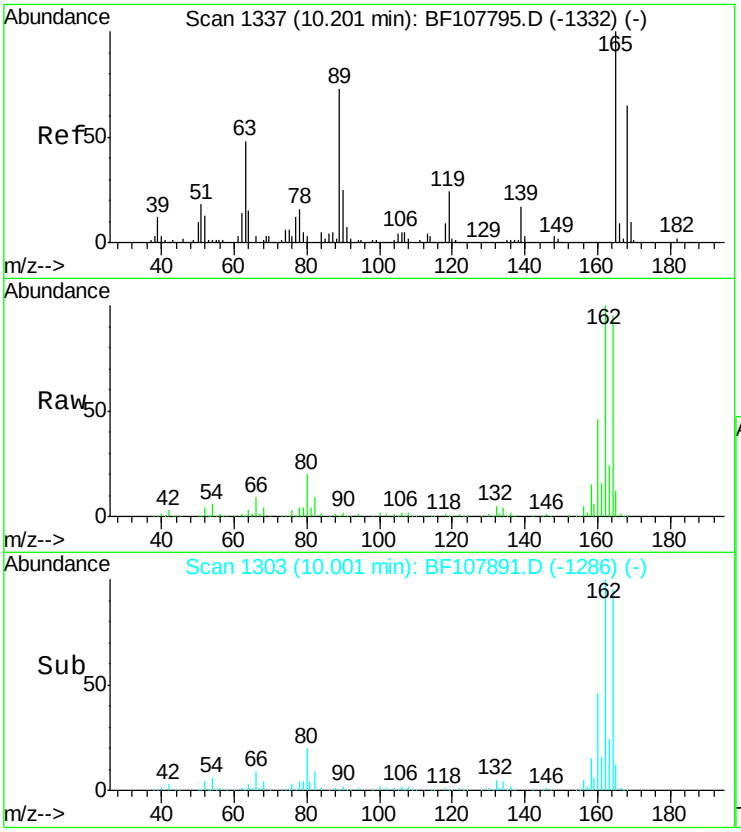


#55
4-Nitrophenol
Concen: 11.914 ng
RT: 10.22 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:139 Resp: 7233

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	19.3	72.6	112.6#



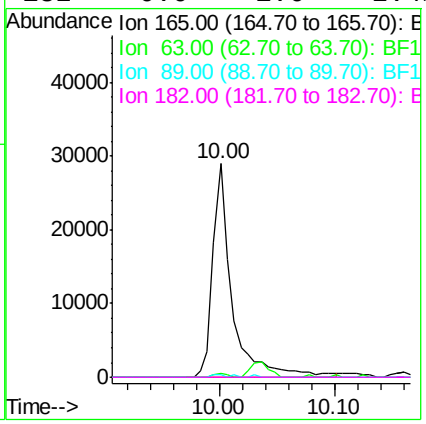


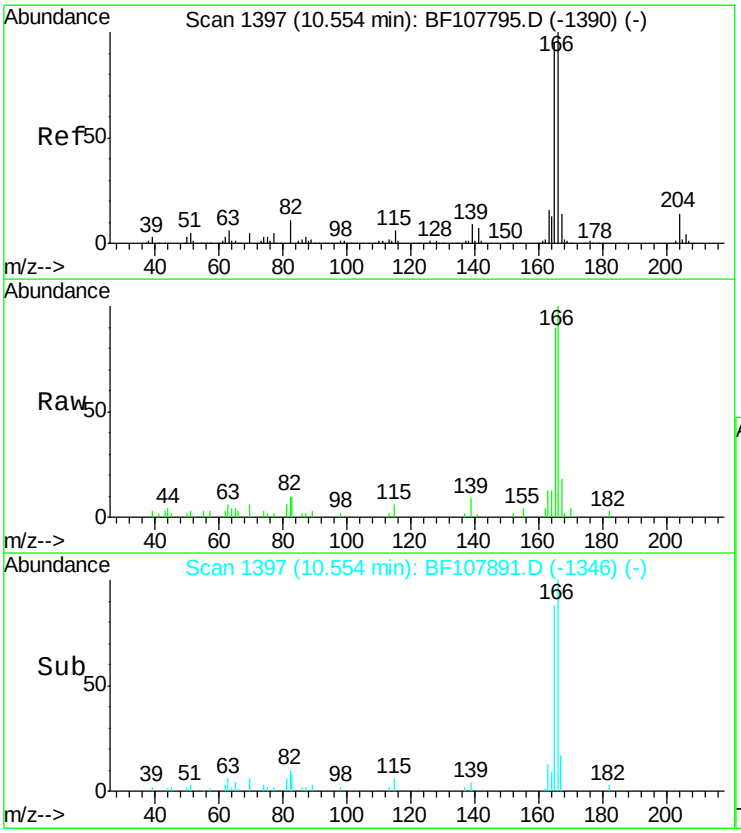
#56
2,4-Dinitrotoluene
Concen: 6.159 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:165 Resp: 33525

Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

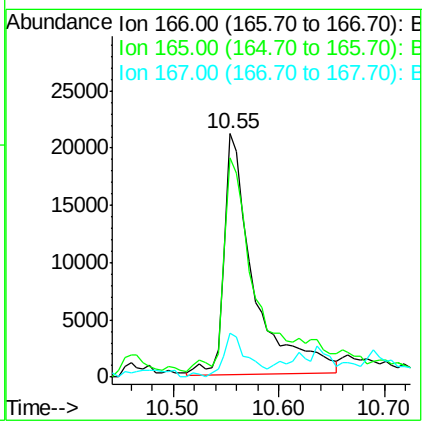


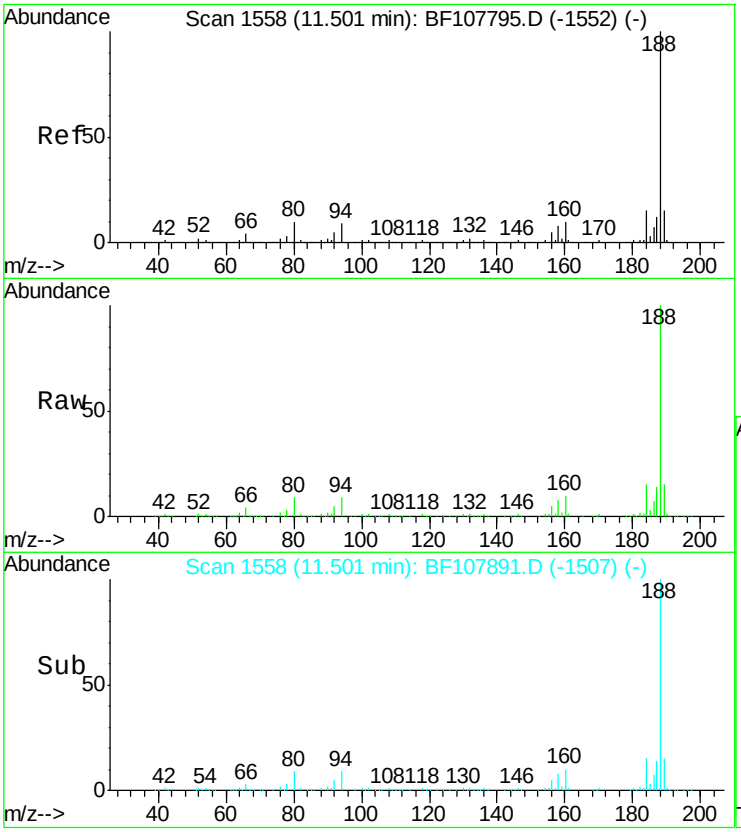


#57
Fluorene
Concen: 2.179 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:166 Resp: 41051

Ion	Ratio	Lower	Upper
166	100		
165	90.0	79.8	119.8
167	18.3	10.6	16.0#



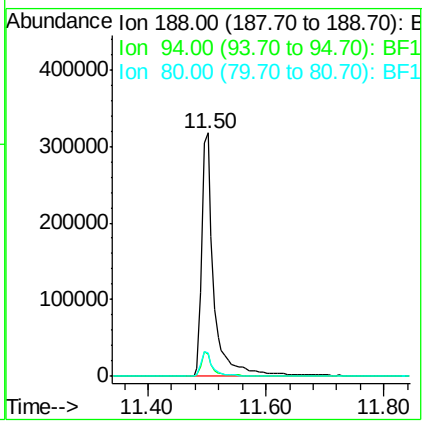


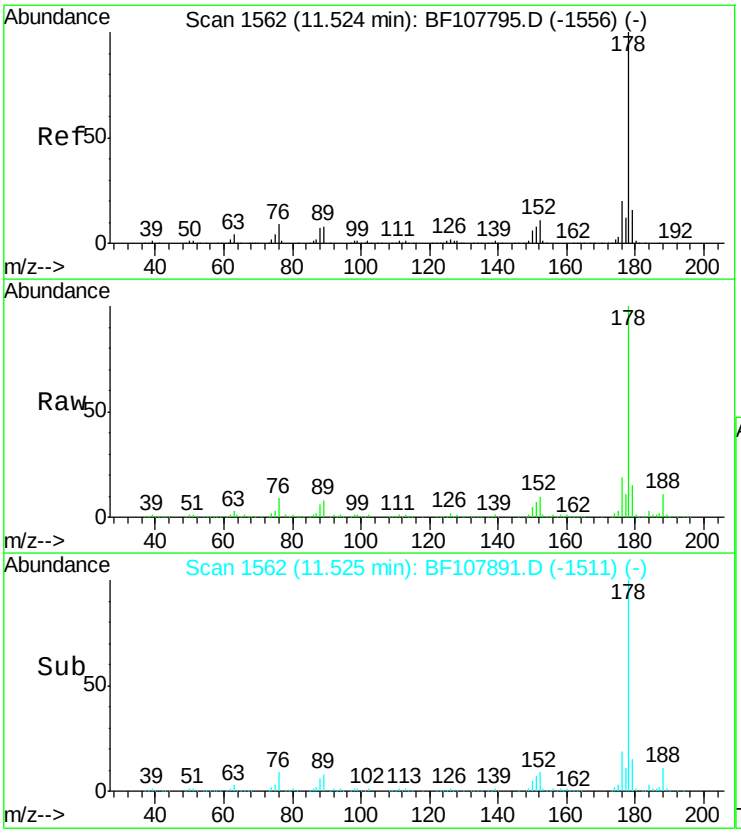
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:188 Resp: 457030

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

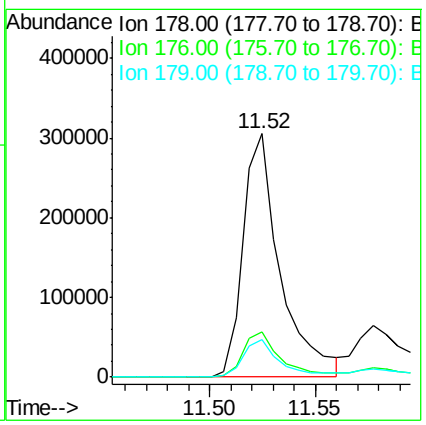


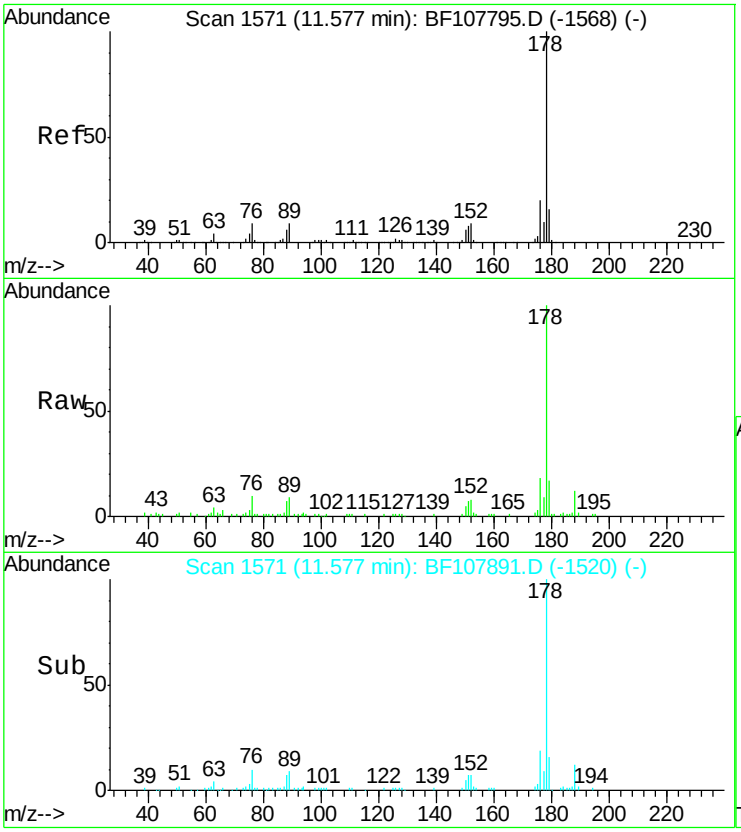


#70
Phenanthrene
Concen: 17.198 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:178 Resp: 373213

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6



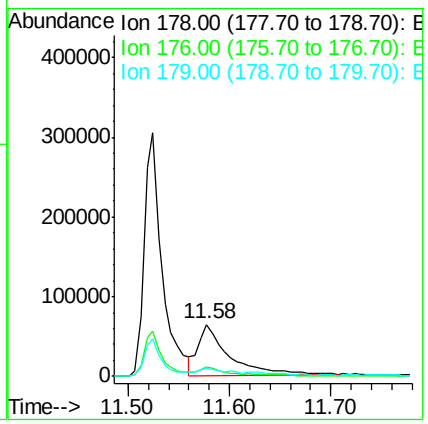


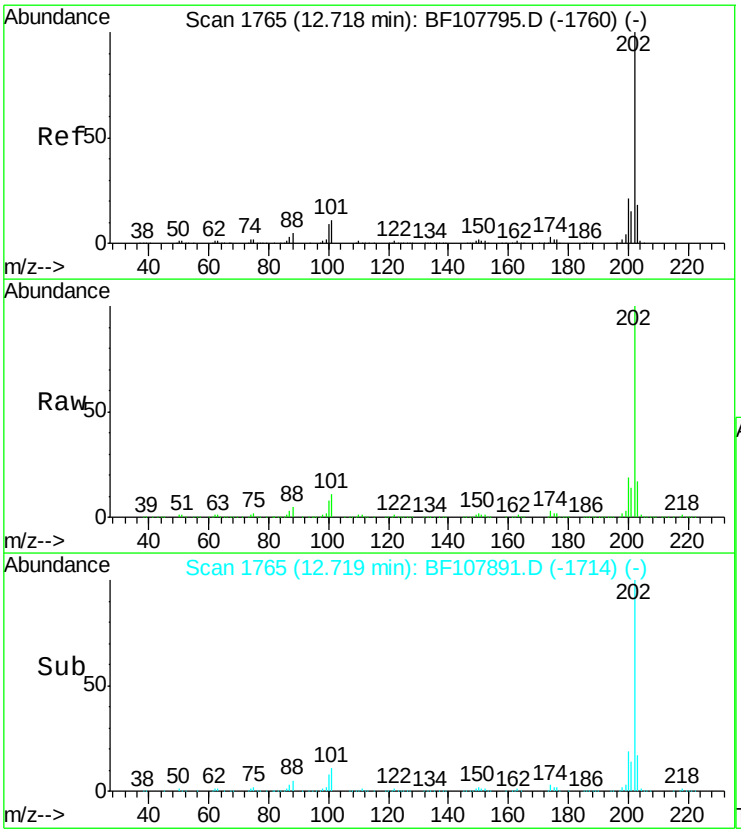
#71
Anthracene
Concen: 5.385 ng
RT: 11.58 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:178 Resp: 134794

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.8	12.6	19.0

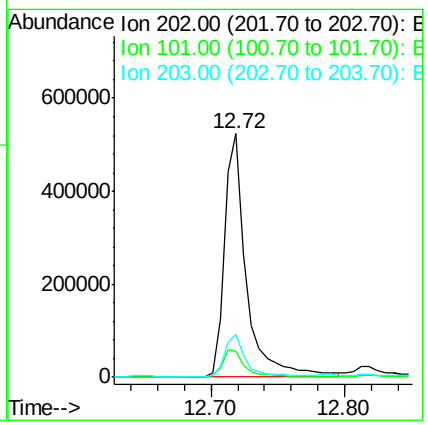


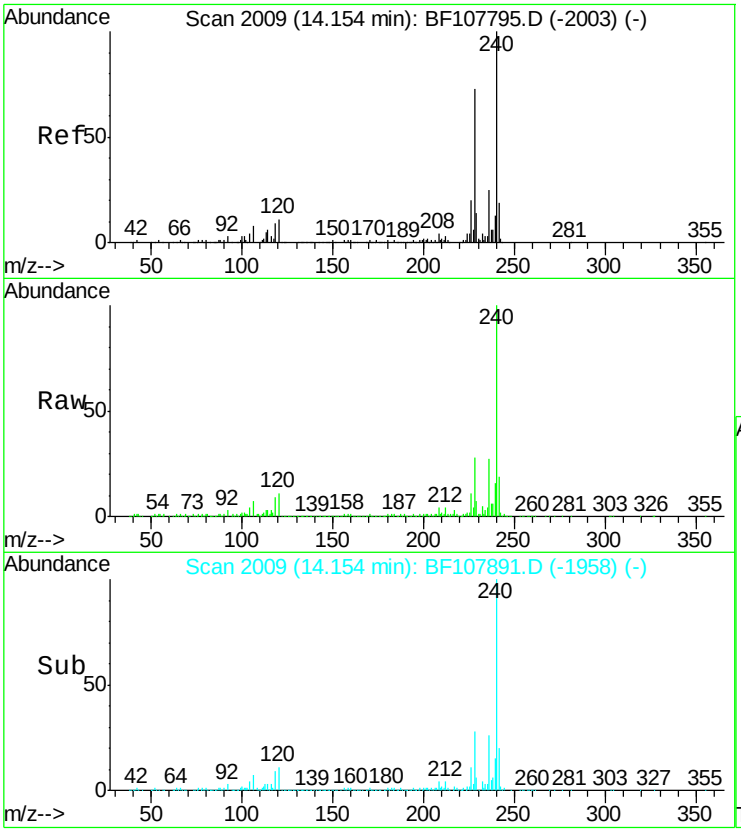


#74
Fluoranthene
Concen: 23.657 ng
RT: 12.72 min Scan# 1765
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:202 Resp: 603122

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	34.1
203	17.4	0.0	38.1



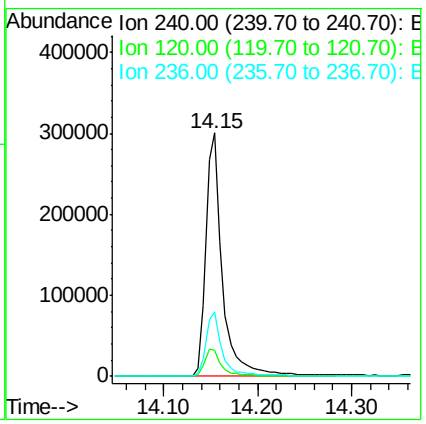


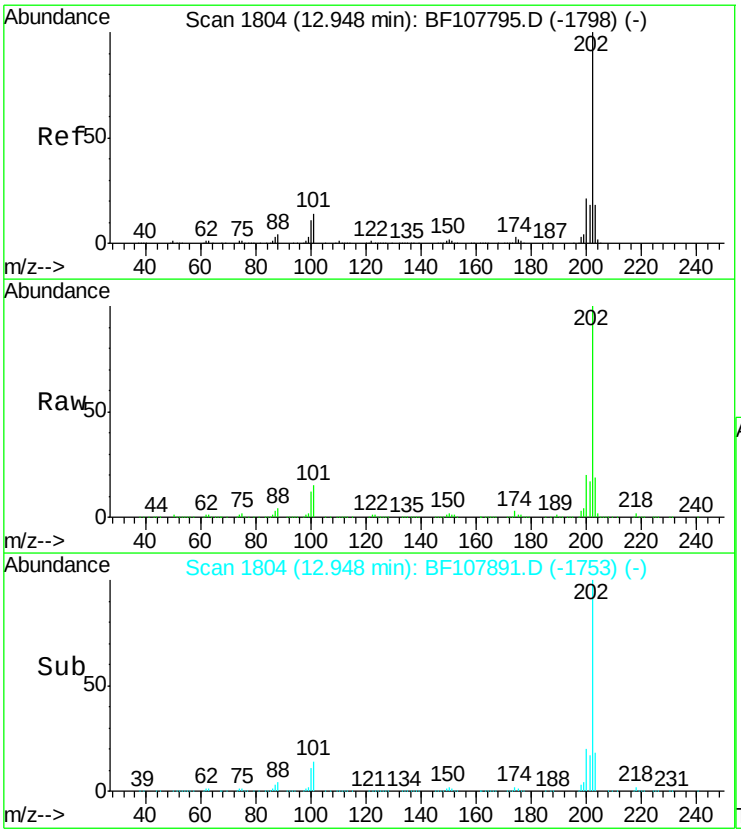
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:240 Resp: 375488

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.5	20.7	31.1

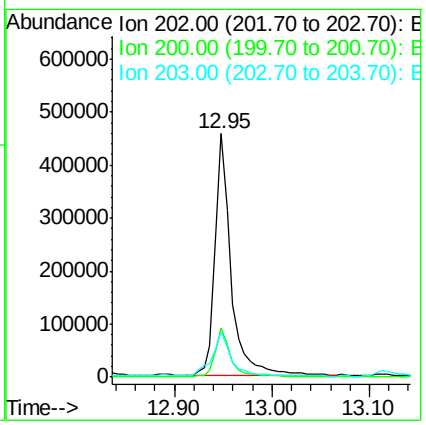


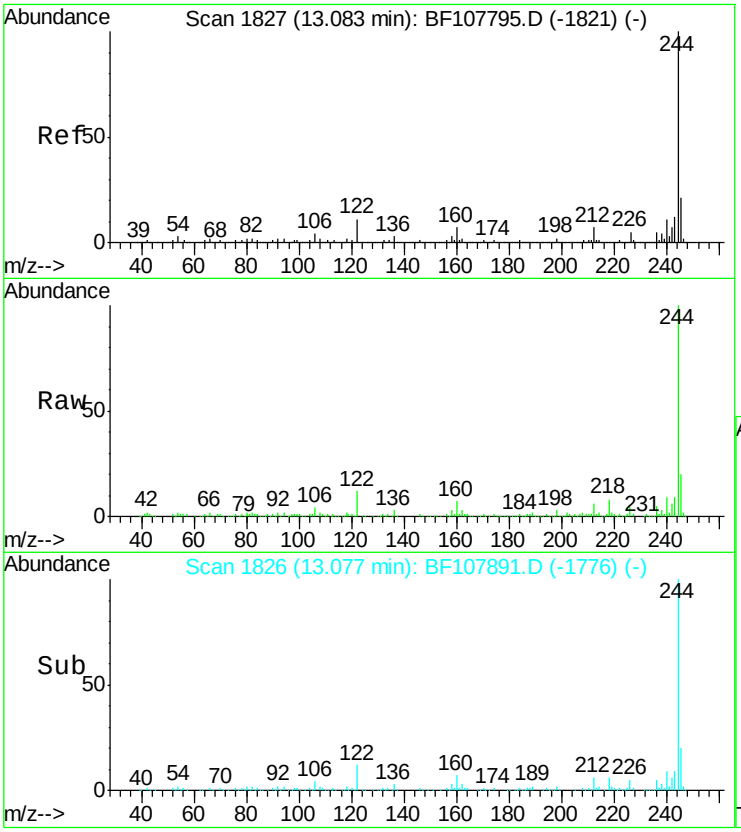


#77
Pyrene
Concen: 19.428 ng
RT: 12.95 min Scan# 1804
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:202 Resp: 525308

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	18.7	14.3	21.5



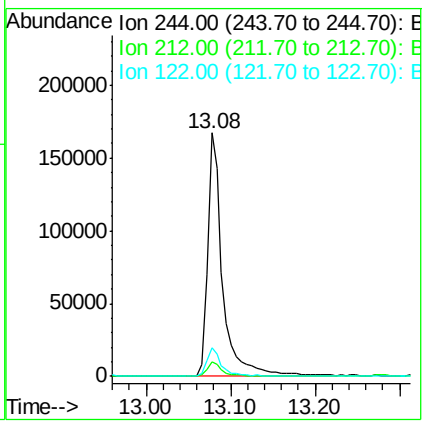


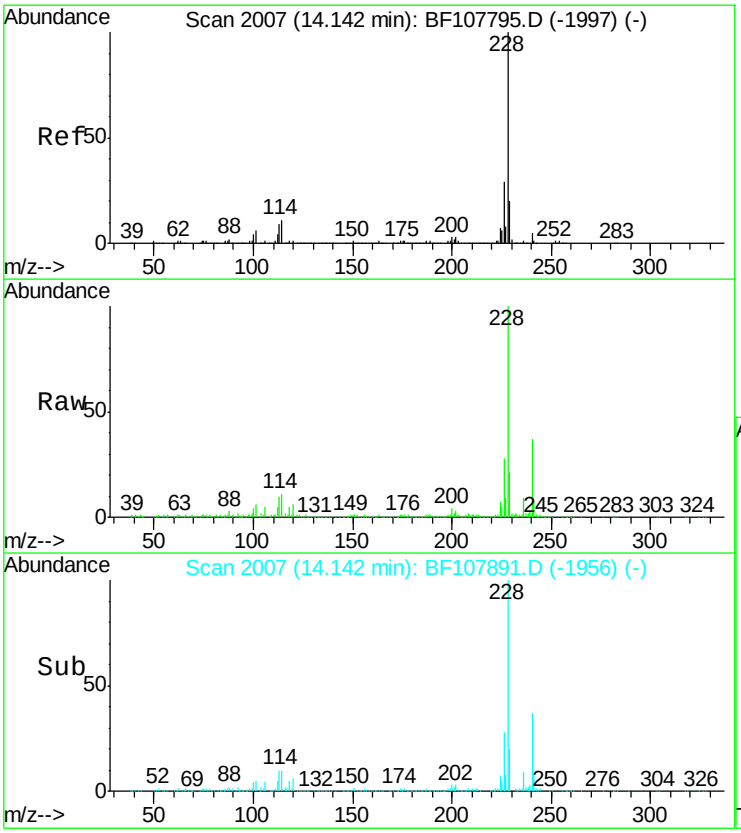
#78
Terphenyl-d14
Concen: 12.098 ng
RT: 13.08 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:244 Resp: 209484

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	11.9	11.0	16.4

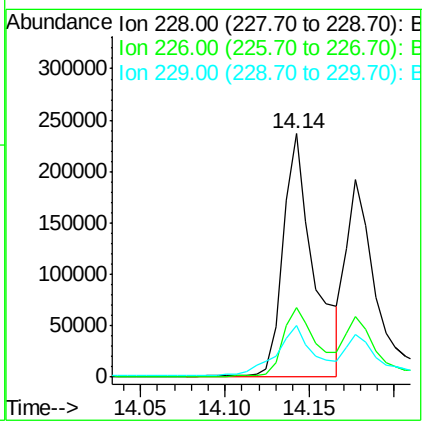


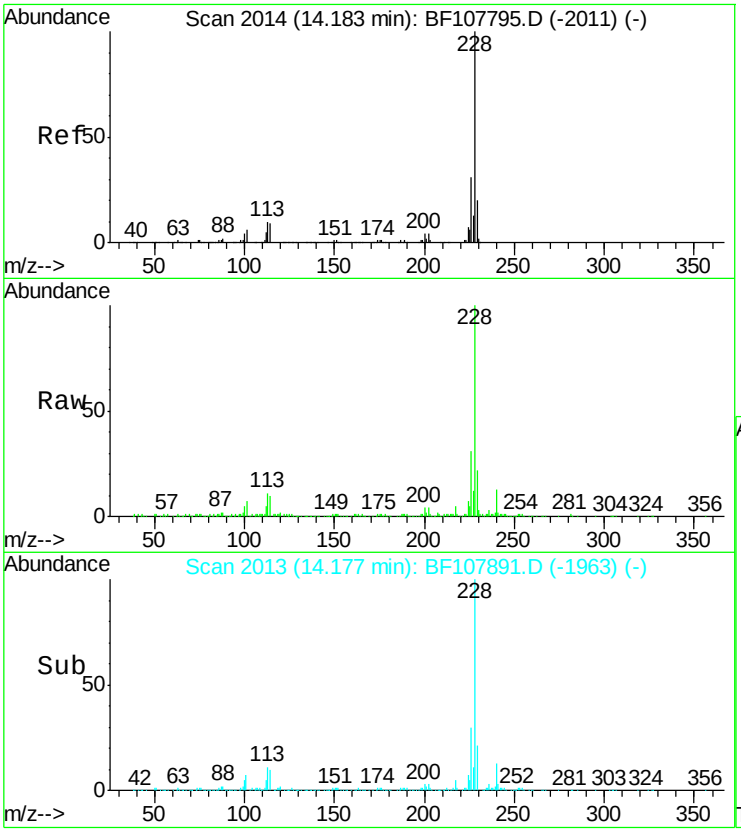


#80
Benzo(a)anthracene
Concen: 14.034 ng
RT: 14.14 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:228 Resp: 298509

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	21.1	15.8	23.6



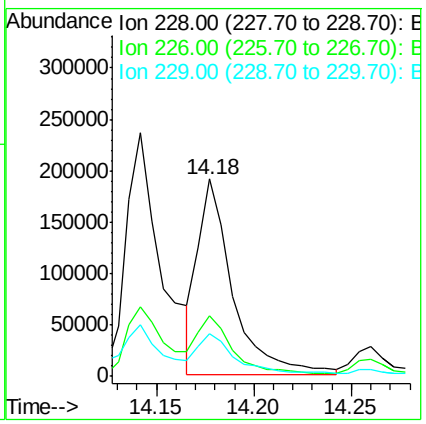


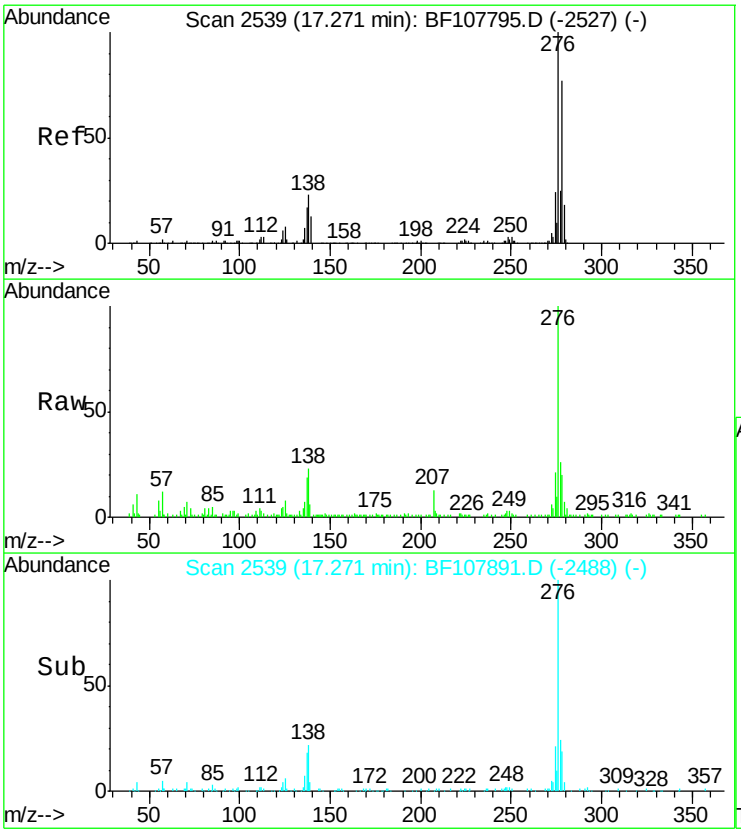
#82
Chrysene
Concen: 10.373 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:228 Resp: 237980

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.7	16.2	24.4

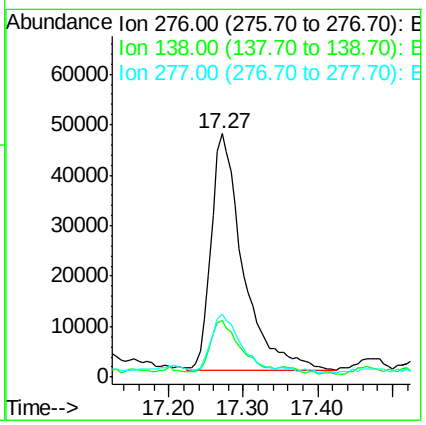


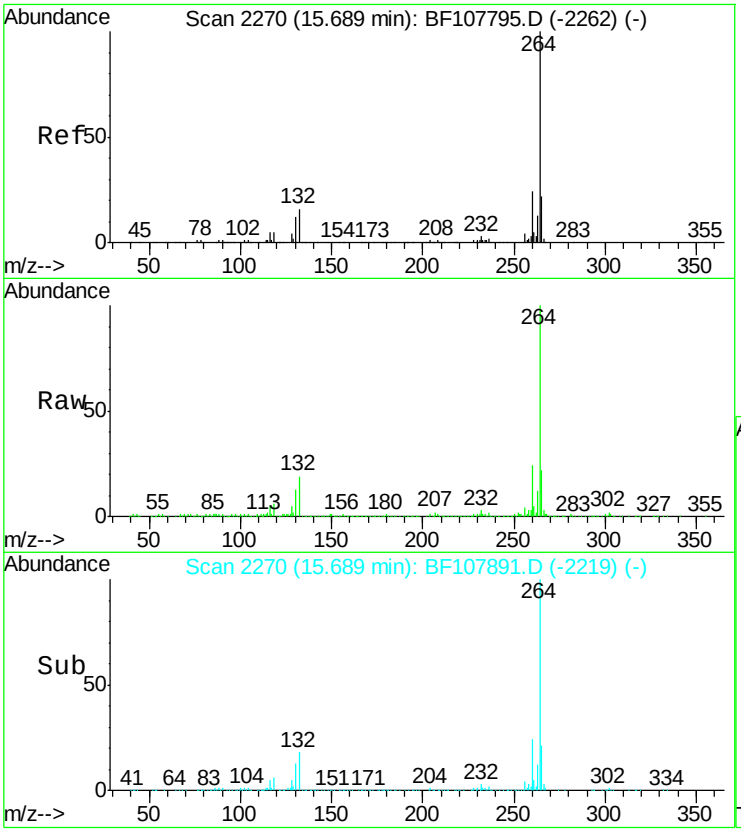


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.933 ng
RT: 17.27 min Scan# 2539
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:276 Resp: 138435

Ion	Ratio	Lower	Upper
276	100		
138	19.8	25.0	37.6#
277	21.0	20.1	30.1



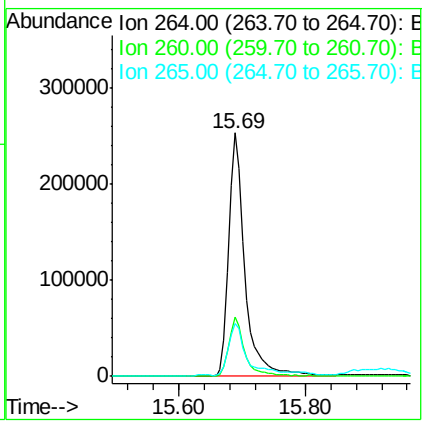


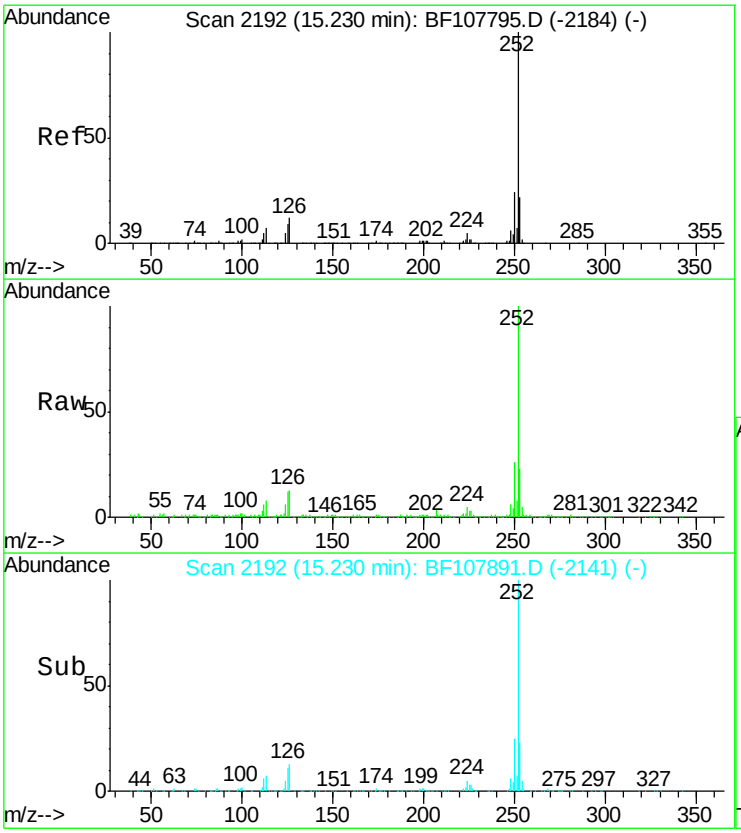
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:264 Resp: 445179

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	21.6	17.5	26.3

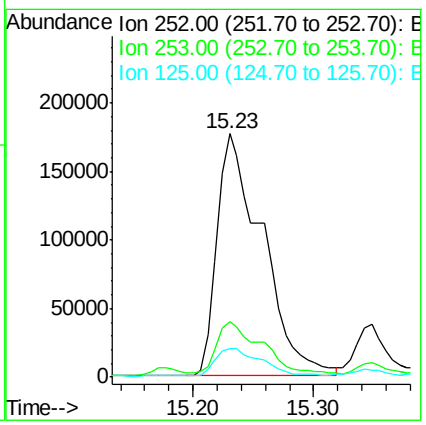


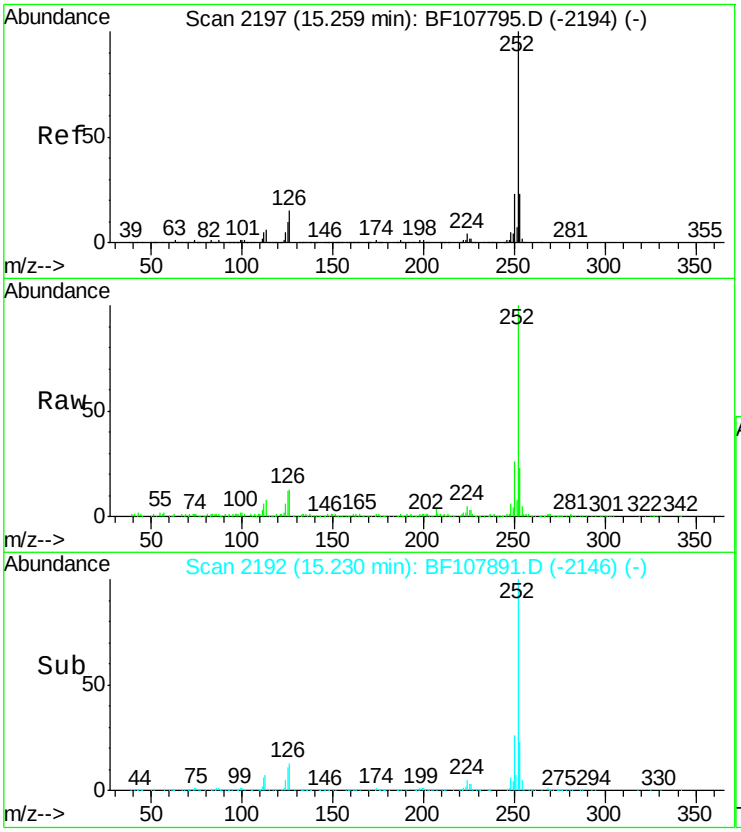


#87
Benzo(b)fluoranthene
Concen: 20.930 ng
RT: 15.23 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:252 Resp: 459543

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.5	9.0	13.6



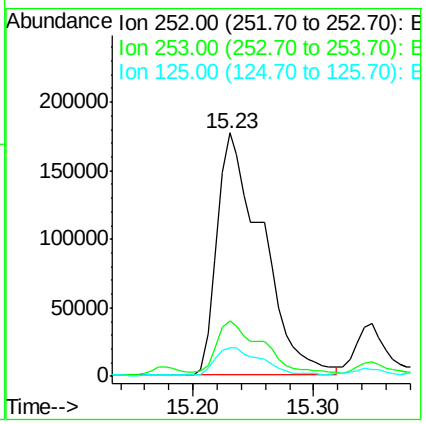


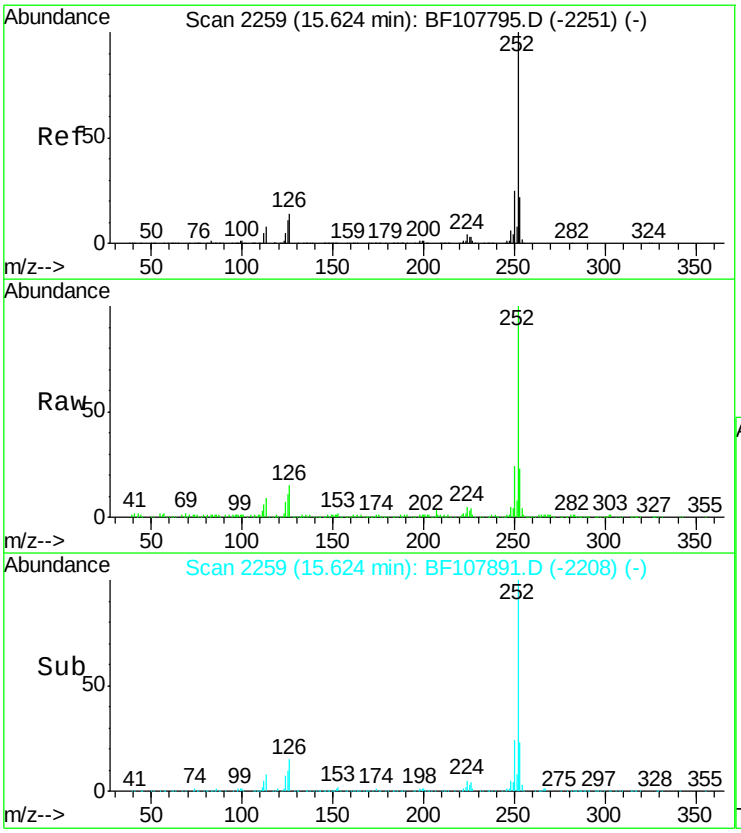
#88
Benzo(k)fluoranthene
Concen: 17.047 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:252 Resp: 459543

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	11.5	10.2	15.2

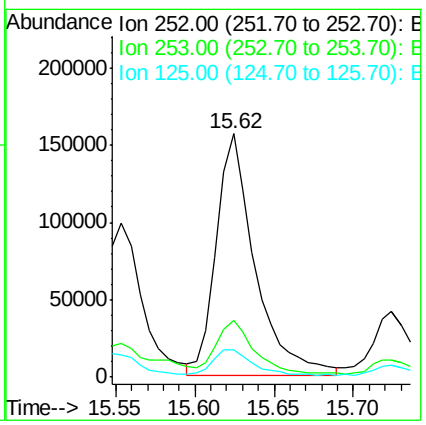


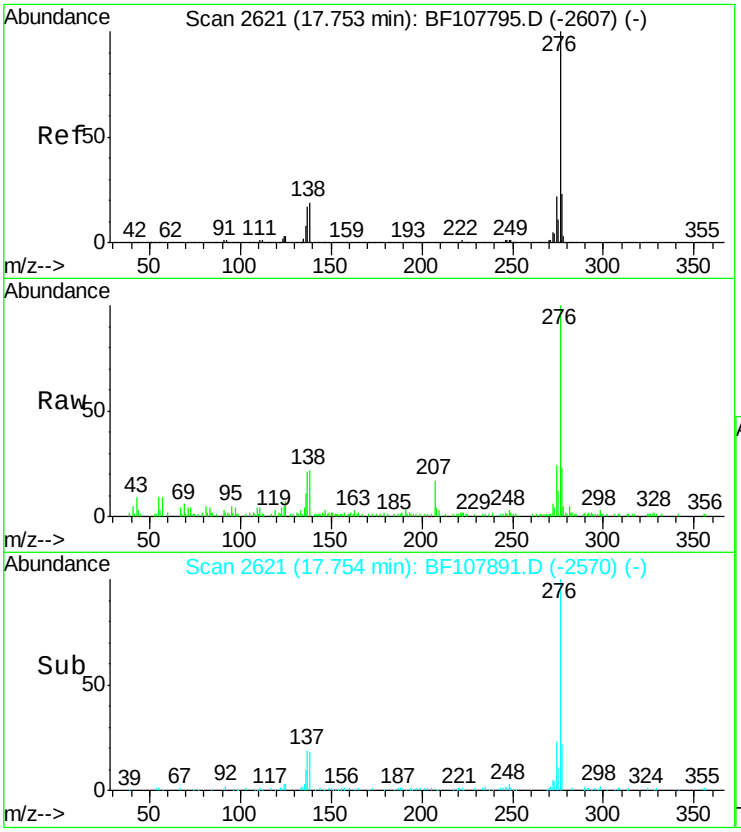


#89
Benzo(a)pyrene
Concen: 11.693 ng
RT: 15.62 min Scan# 2259
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Tgt Ion:252 Resp: 265050

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	11.2	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 6.422 ng
RT: 17.75 min Scan# 2621
Delta R.T. 0.00 min
Lab File: BF107891.D
Acq: 1 Aug 2018 16:13

Instrument :
BNA_F
ClientSampleId :
SB-2(3-5)

Tgt Ion:276 Resp: 122854

Ion	Ratio	Lower	Upper
276	100		
277	23.2	17.9	26.9
138	22.2	21.8	32.8