Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117611.D
Acq On : 30 Oct 2019 1:13
Operator : JU
Sample : K5576-18 5X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 30 06:59:26 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	36763	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	148234	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	67344	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	99680	20.00	ng		0.00
76) Chrysene-d12	13.90	240	66406	20.00	ng		0.00
87) Perylene-d12	15.33	264	54481	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.37	112	34544	13.98	ng		0.02
7) Phenol-d6	6.40	99	52117	15.70	ng		0.02
23) Nitrobenzene-d5	7.30	82	28714	9.56	ng		0.00
42) 2,4,6-Tribromophenol	10.56	330	7971	13.68	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	55359	11.58	ng		0.00
79) Terphenyl-d14	12.83	244	49526	12.16	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.33	77	466	Below Cal		#	62
25) Isophorone	7.30	82	28714	5.528	ng	#	65
49) Acenaphthylene	9.62	152	41853	6.778	ng		97
51) 2,6-Dinitrotoluene	9.76	165	8313	8.298	ng	#	22
56) 4-Nitrophenol	9.97	139	954	5.747	ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	8313	6.241	ng	#	12
71) Phenanthrene	11.27	178	46197	7.981	ng		97
72) Anthracene	11.33	178	34345	5.783	ng		98
75) Fluoranthene	12.46	202	158580	27.368	ng		100
77) Benzidine	12.83	184	601	Below Cal		#	67
78) Pyrene	12.69	202	143698	25.193	ng		99
81) Benzo(a)anthracene	13.89	228	80825	18.044	ng		97
83) Chrysene	13.92	228	67014	15.265	ng		98
84) Bis(2-ethylhexyl)phthalate	13.86	149	16060	4.039	ng	#	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	33069	10.089	ng		99
88) Benzo(b)fluoranthene	14.92	252	114330	35.537	ng		96
89) Benzo(k)fluoranthene	14.92	252	114330	34.673	ng	#	96
90) Benzo(a)pyrene	15.27	252	47166	16.125	ng		95
91) Dibenzo(a,h)anthracene	16.74	278	7332	2.899	ng	#	79
92) Benzo(g,h,i)perylene	17.18	276	28106	11.745	ng		97

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

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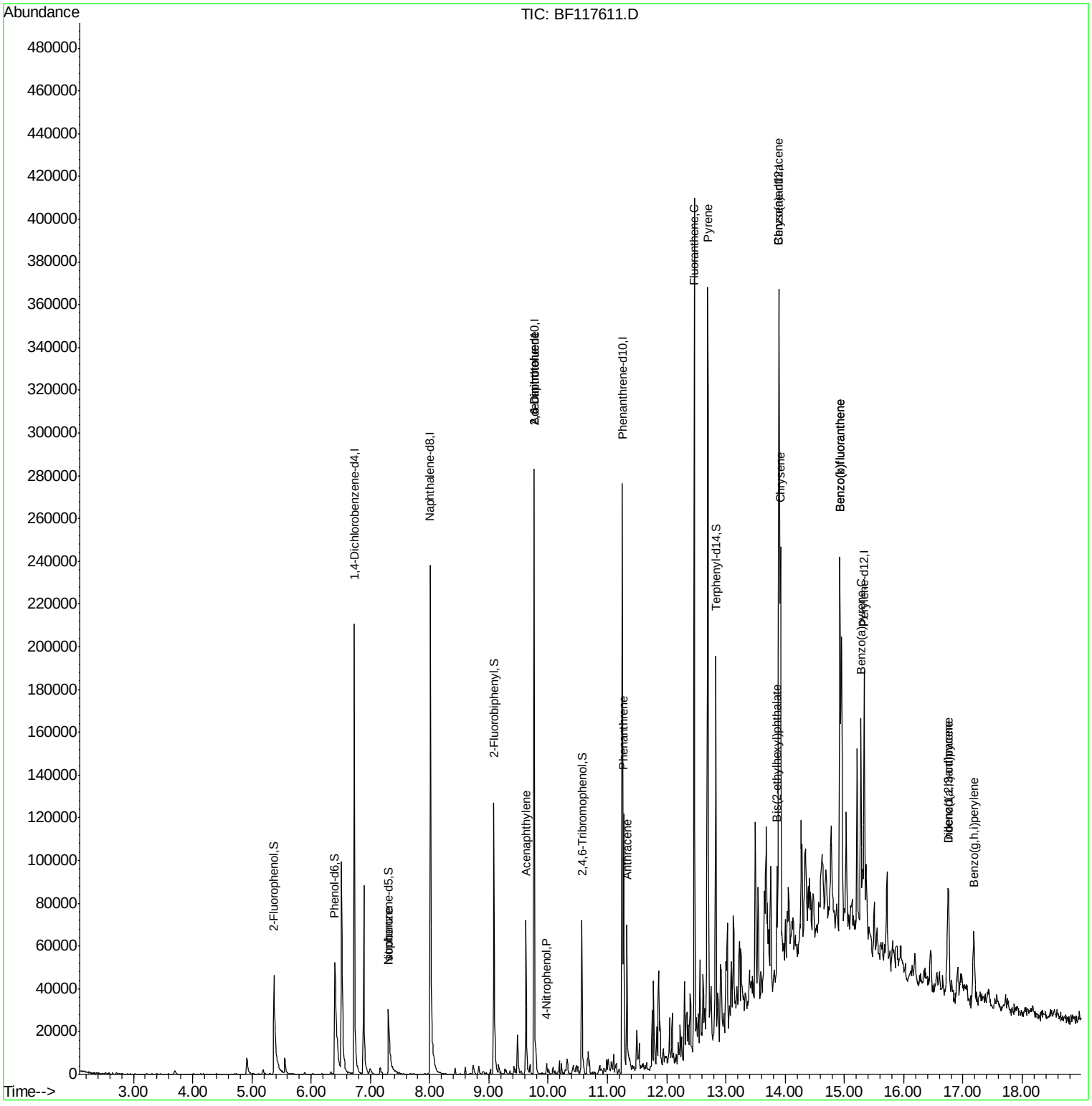
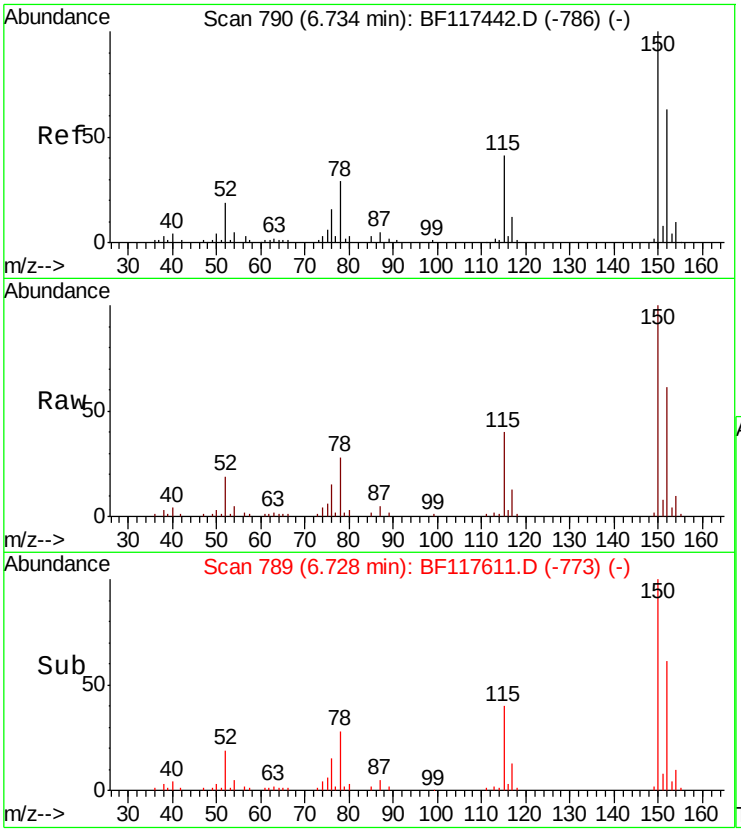


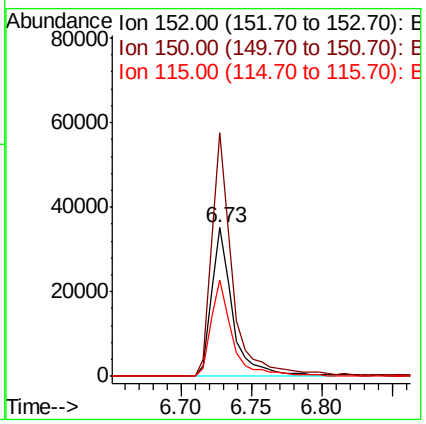


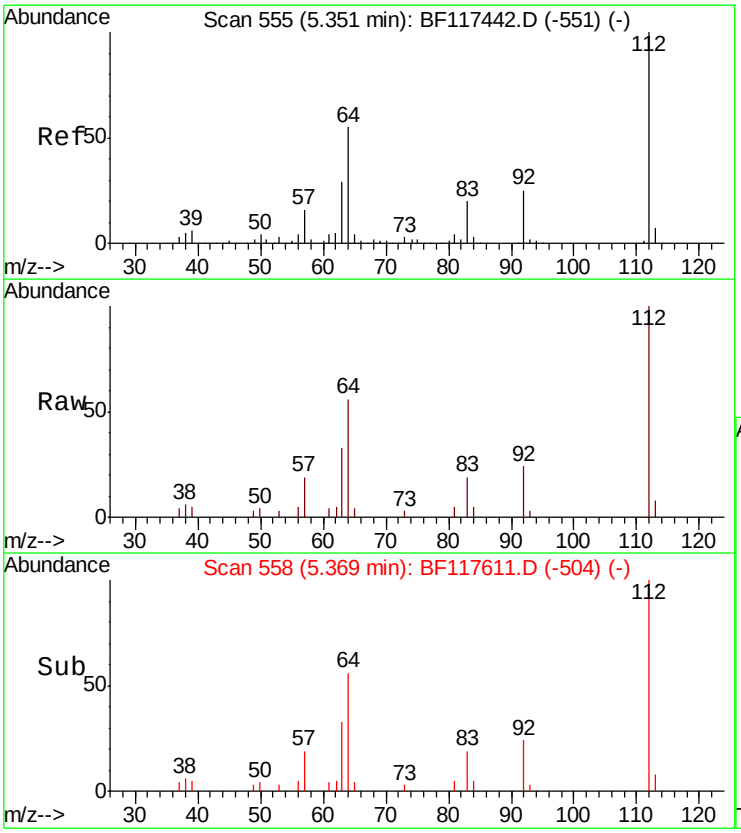
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 36763

Ion	Ratio	Lower	Upper
152	100		
150	164.0	126.8	190.2
115	65.1	51.6	77.4

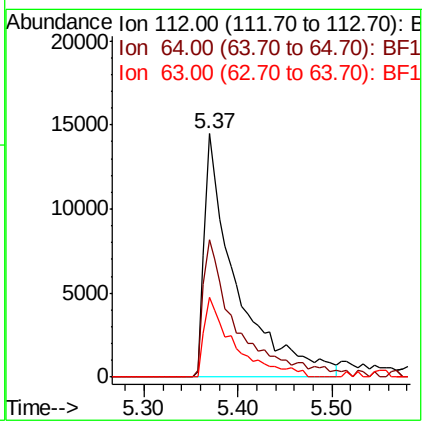


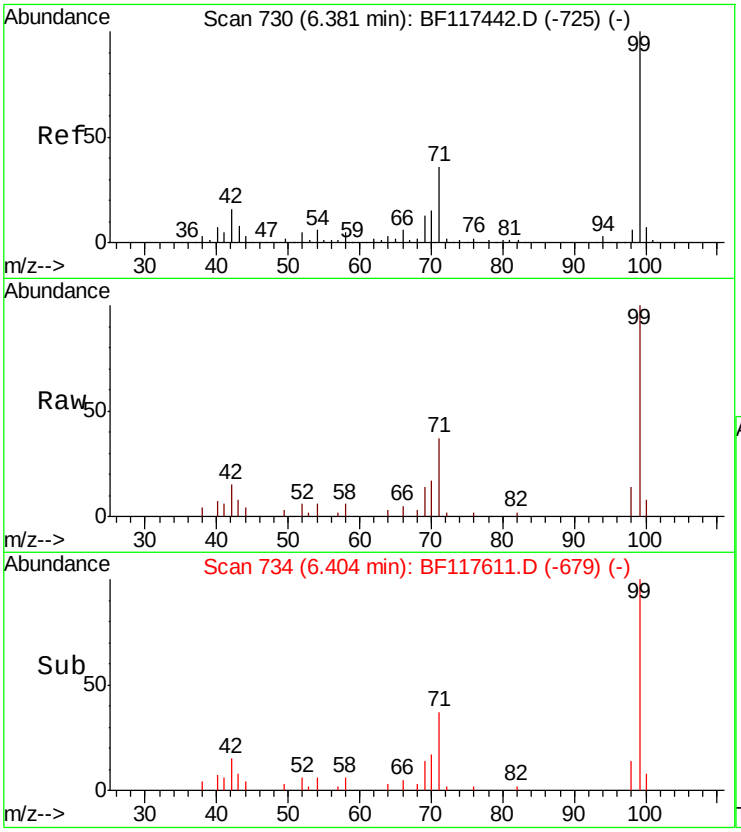


#5
2-Fluorophenol
Concen: 13.979 ng
RT: 5.37 min Scan# 558
Delta R.T. 0.02 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:112 Resp: 34544

Ion	Ratio	Lower	Upper
112	100		
64	56.2	44.1	66.1
63	32.7	23.4	35.2



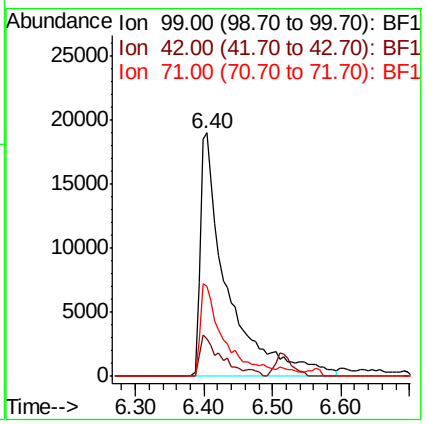


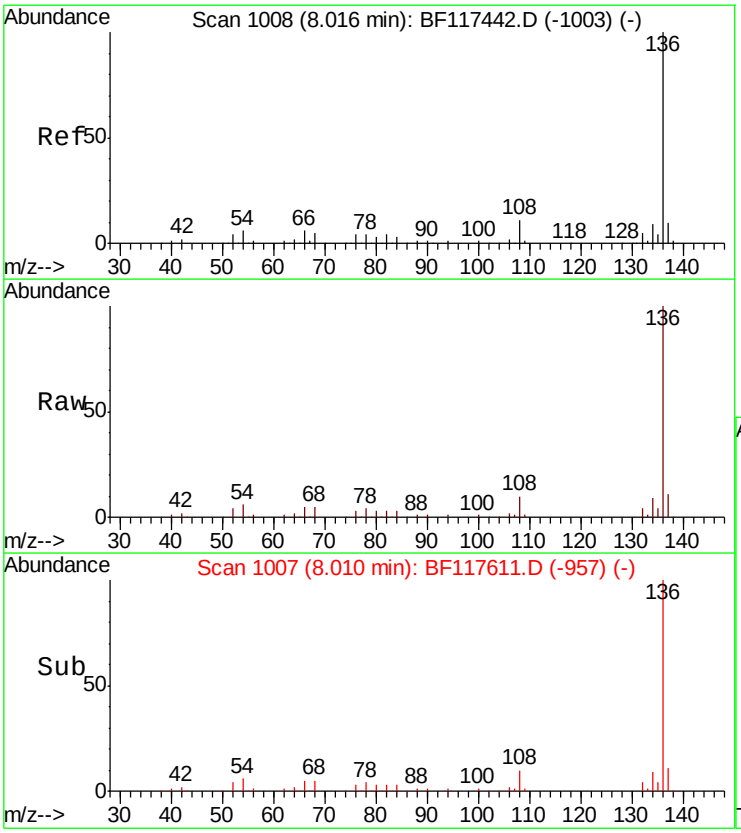
#7
Phenol-d6
Concen: 15.703 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.02 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 52117

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	36.8	28.6	43.0

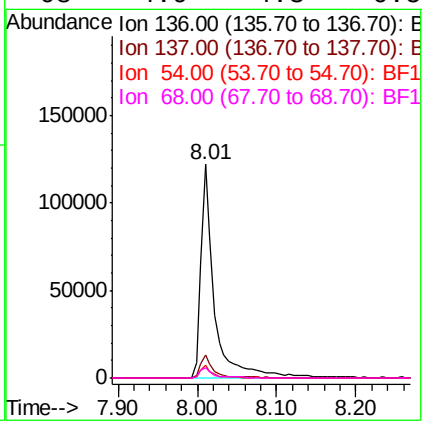


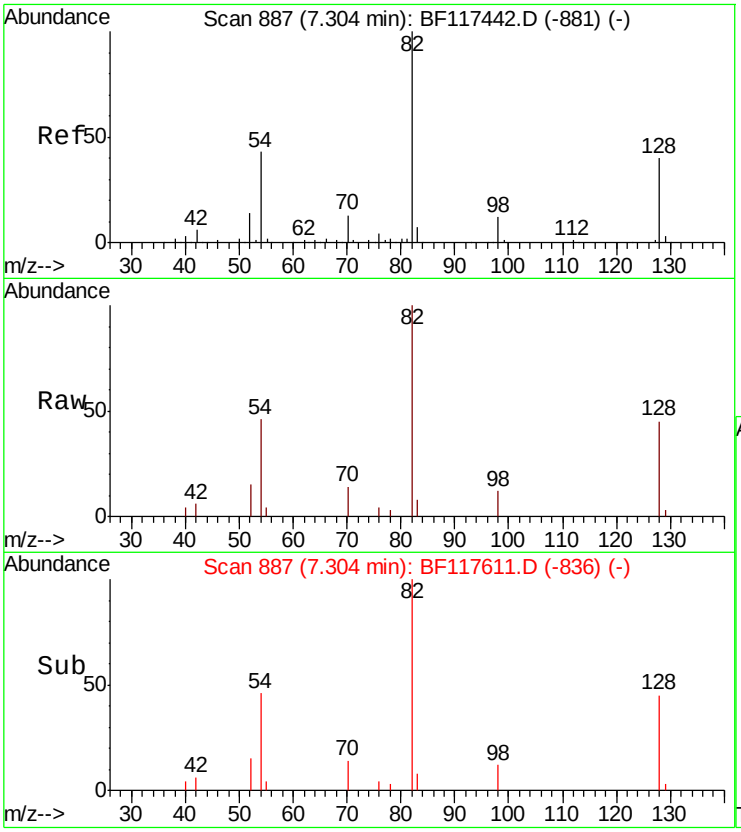


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:136 Resp: 148234

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	5.8	4.5	6.7
68	4.9	4.3	6.5



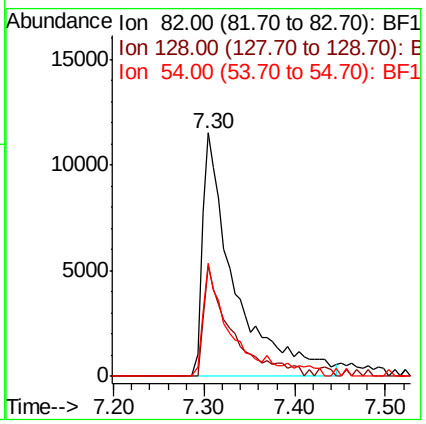


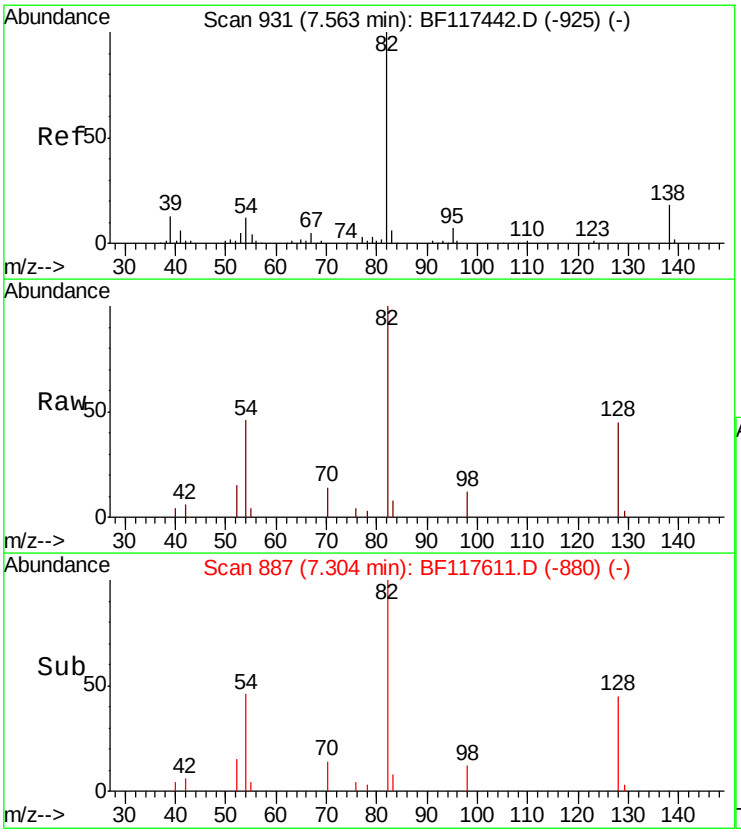
#23
Nitrobenzene-d5
Concen: 9.563 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 28714

Ion	Ratio	Lower	Upper
82	100		
128	45.2	32.2	48.2
54	46.4	34.2	51.2

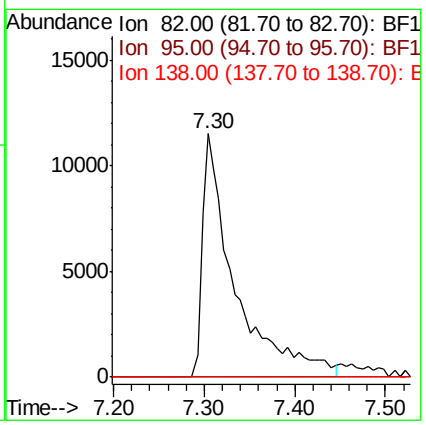


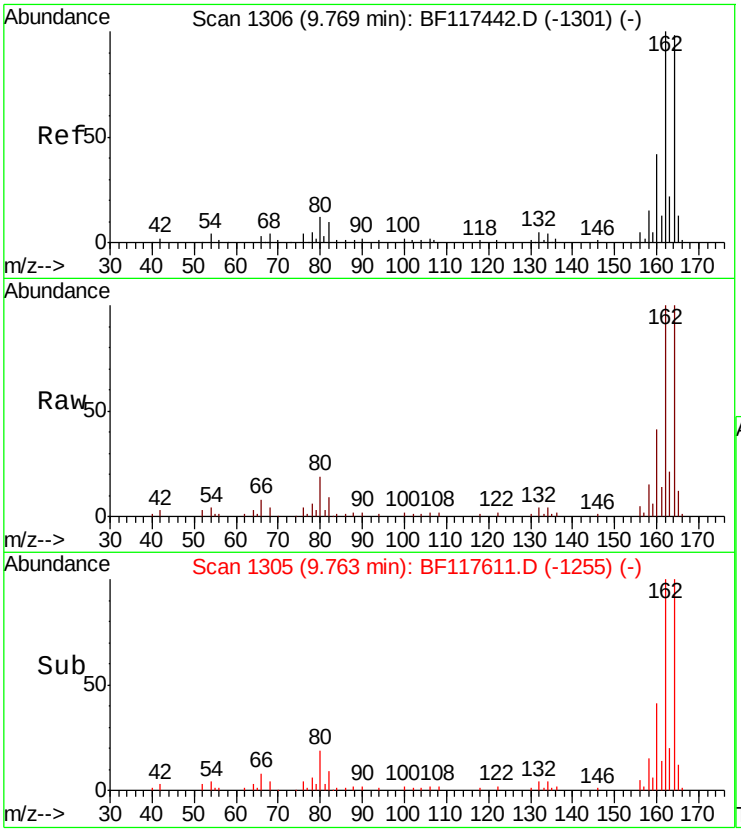


#25
Isophorone
Concen: 5.528 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion: 82 Resp: 28714

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#



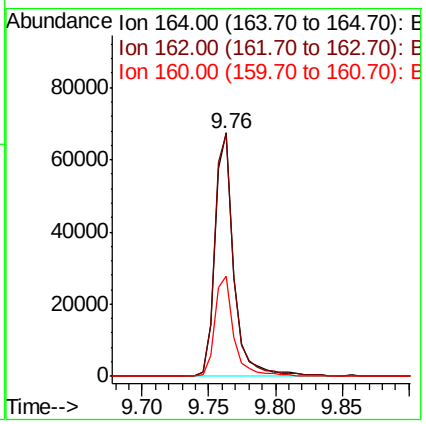


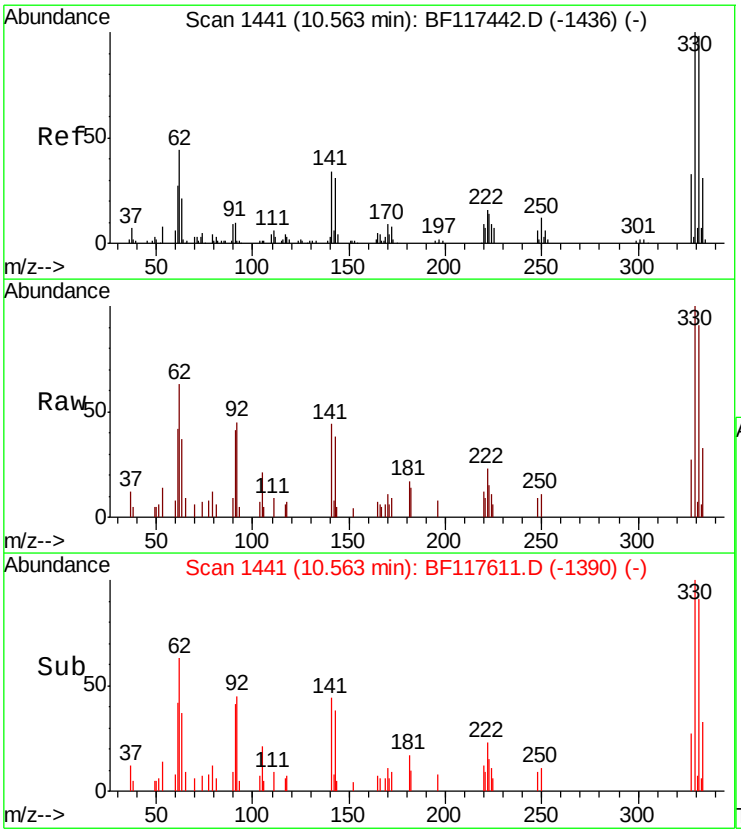
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 67344

Ion	Ratio	Lower	Upper
164	100		
162	99.6	81.8	122.6
160	41.1	34.4	51.6

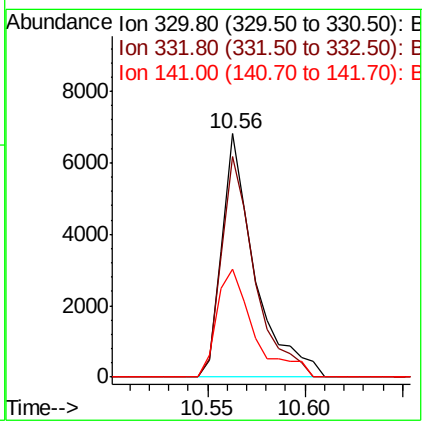


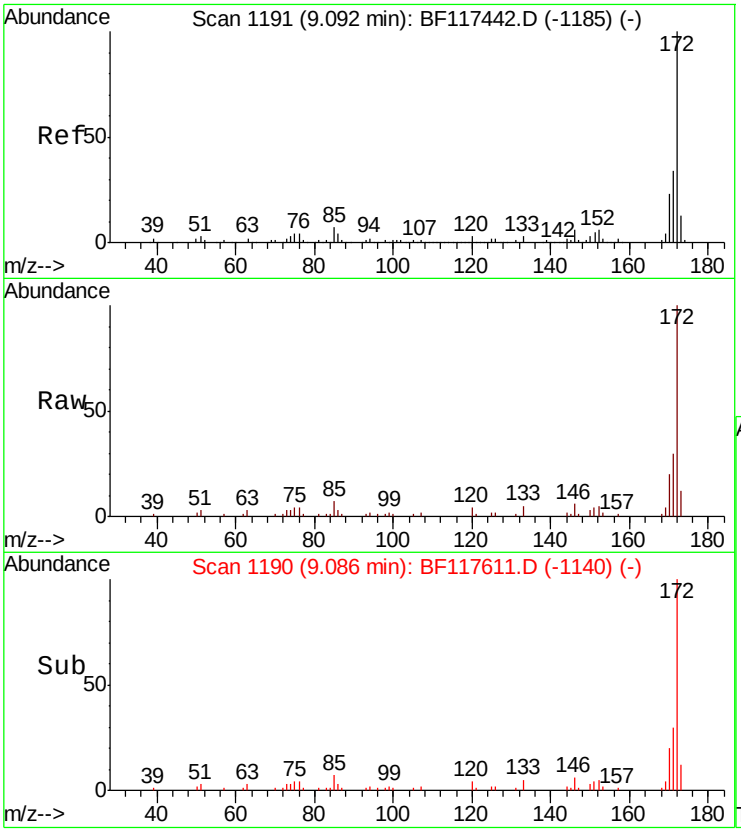


#42
2,4,6-Tribromophenol
Concen: 13.679 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:330 Resp: 7971

Ion	Ratio	Lower	Upper
330	100		
332	91.4	78.5	117.7
141	49.7	37.0	55.6



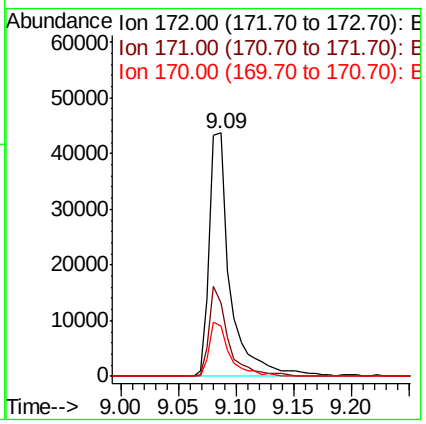


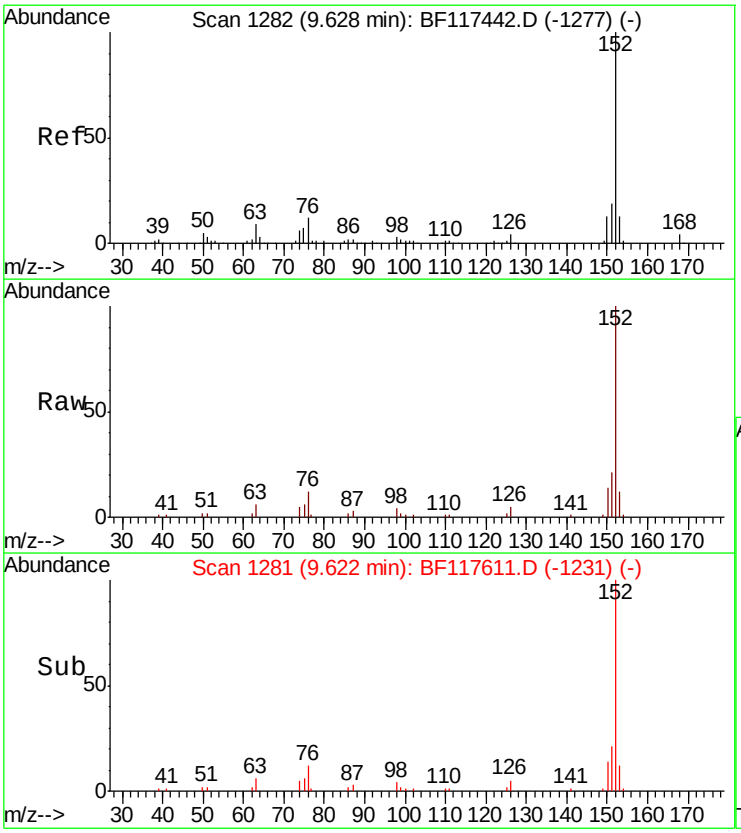
#45
2-Fluorobiphenyl
Concen: 11.582 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 55359

Ion	Ratio	Lower	Upper
172	100		
171	30.4	27.5	41.3
170	20.5	18.6	27.8

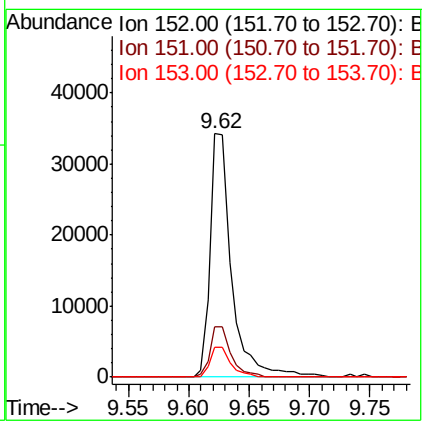


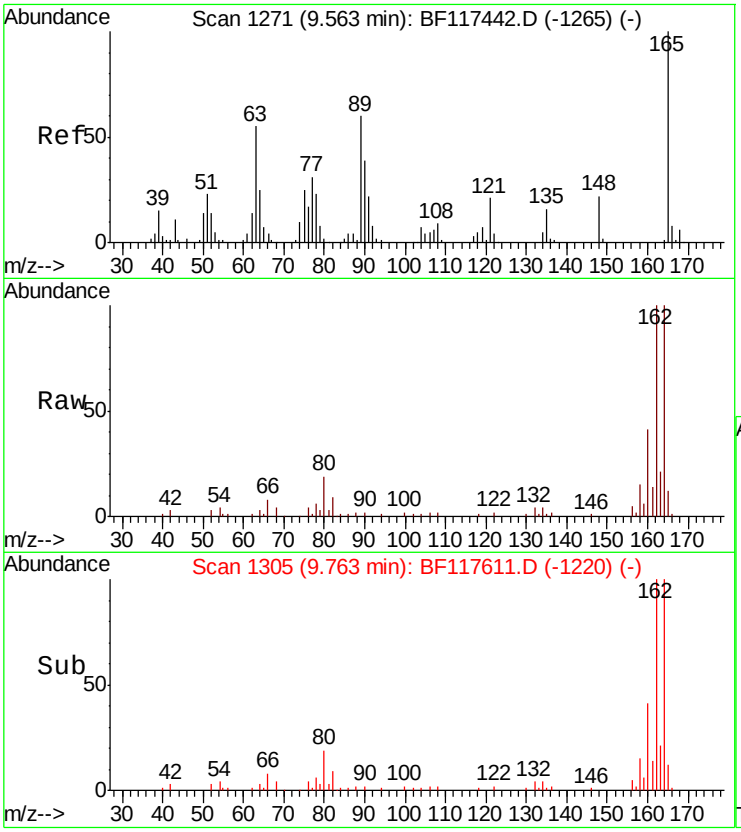


#49
Acenaphthylene
Concen: 6.778 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:152 Resp: 41853

Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.0
153	12.3	10.3	15.5



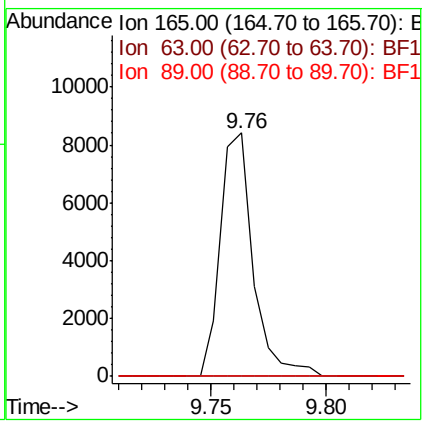


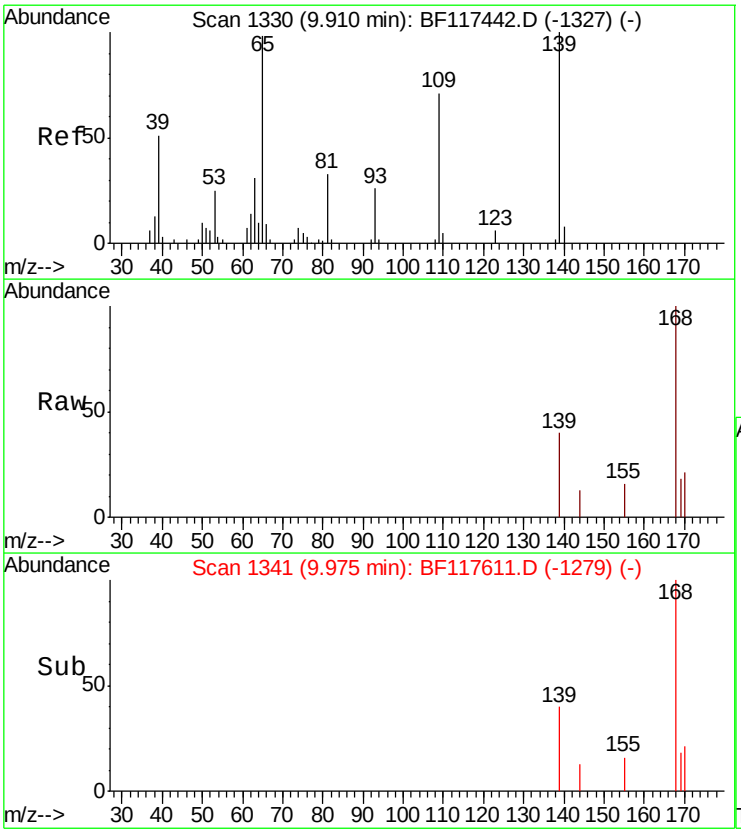
#51
2,6-Dinitrotoluene
Concen: 8.298 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 8313

Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

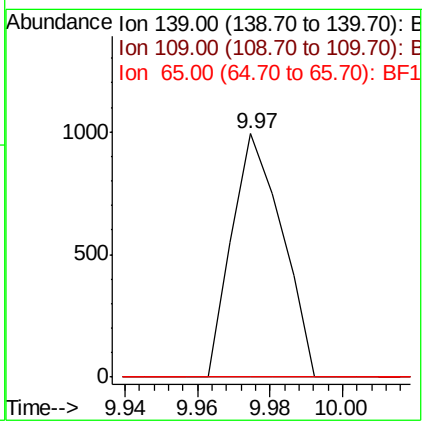


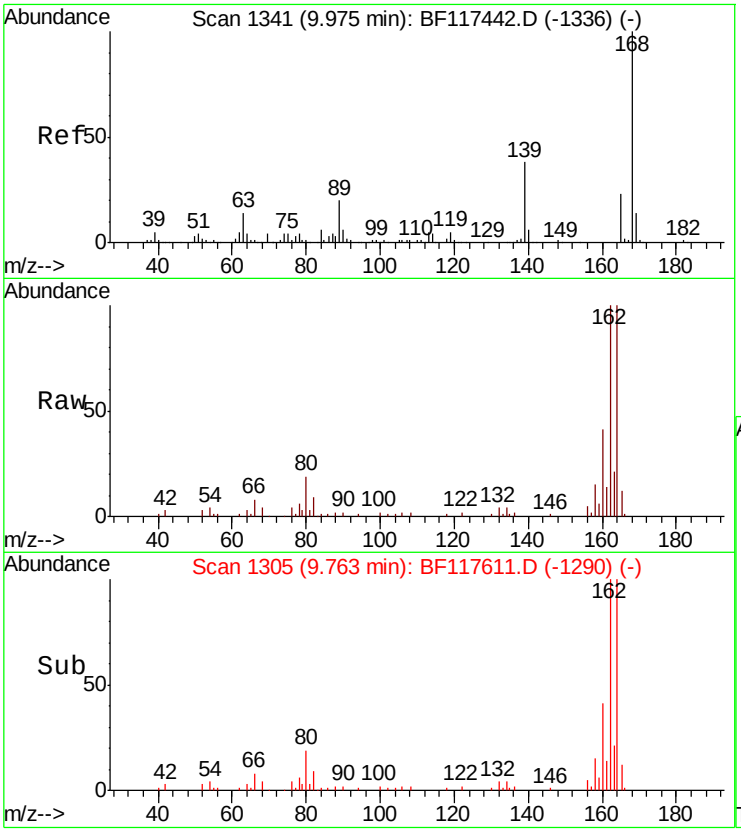


#56
4-Nitrophenol
Concen: 5.747 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:139 Resp: 954

Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#



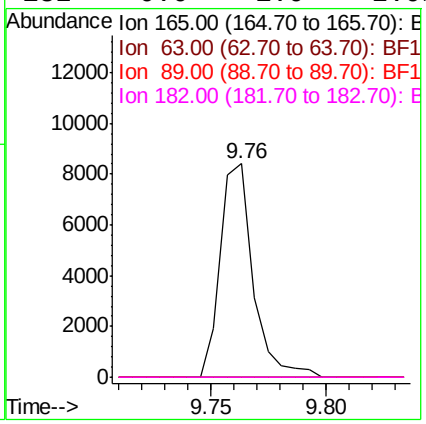


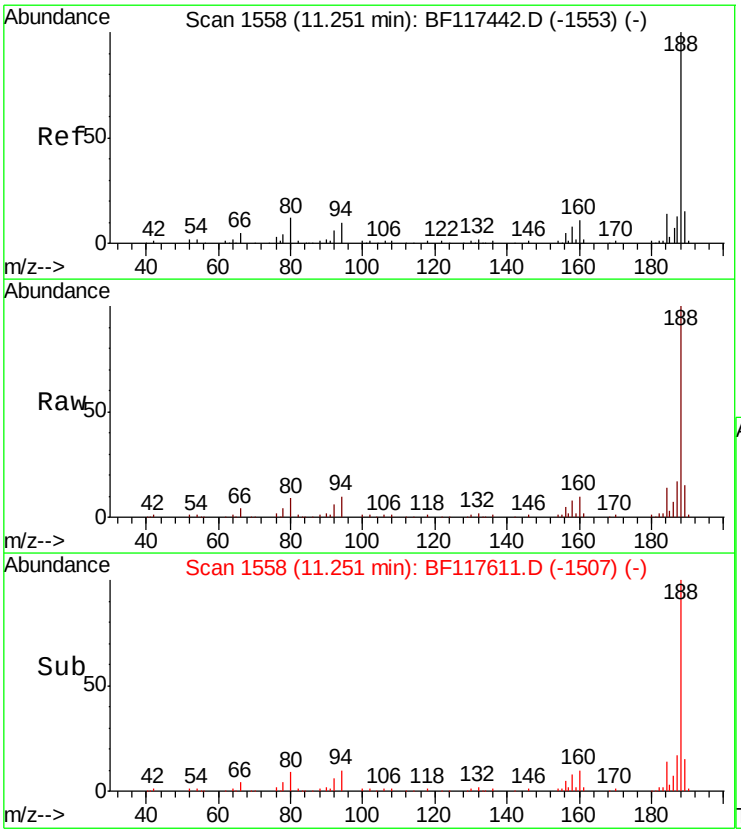
#57
2,4-Dinitrotoluene
Concen: 6.241 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 8313

Ion	Ratio	Lower	Upper
165	100		
63	0.0	51.4	77.0#
89	0.0	69.9	104.9#
182	0.0	1.9	2.9#

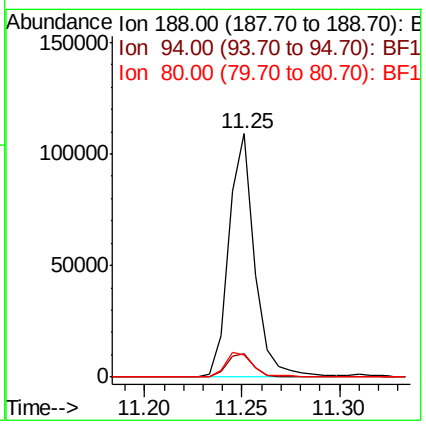


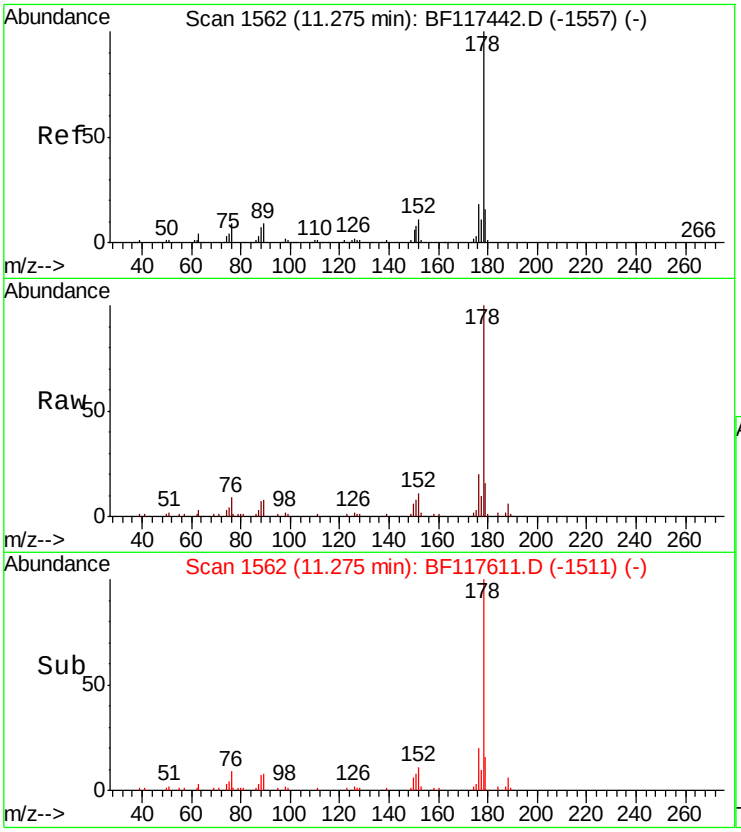


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:188 Resp: 99680

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.0	12.0
80	9.3	9.5	14.3#



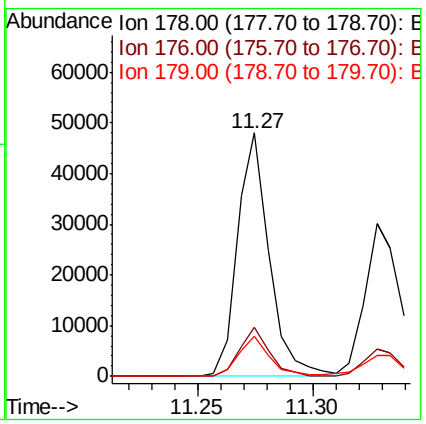


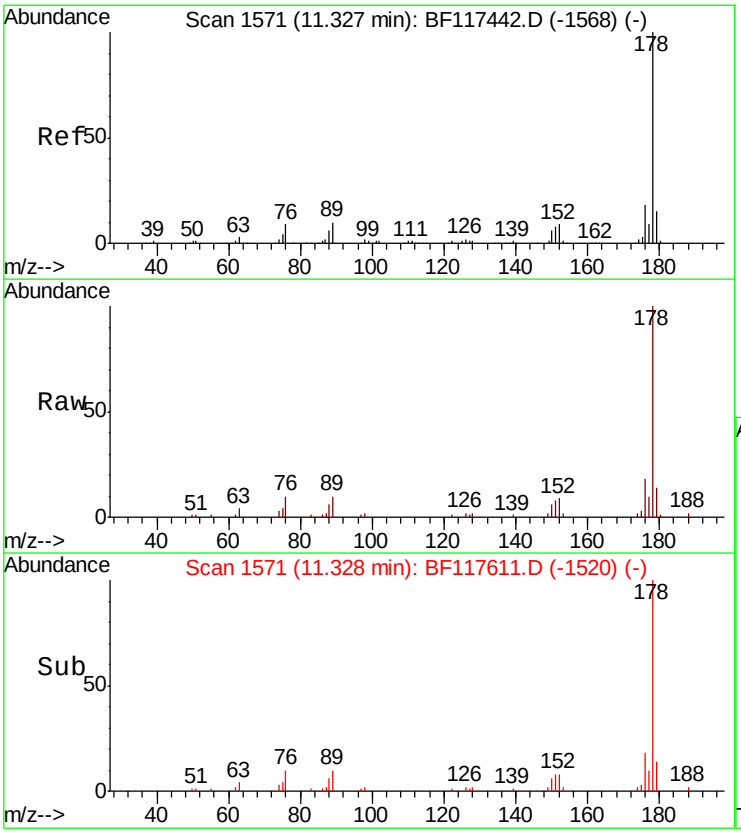
#71
Phenanthrene
Concen: 7.981 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 46197

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.6	22.0
179	16.4	12.6	19.0

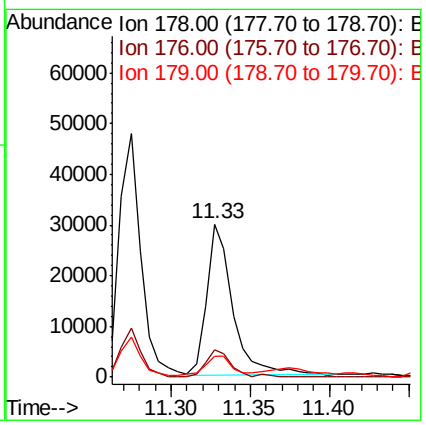


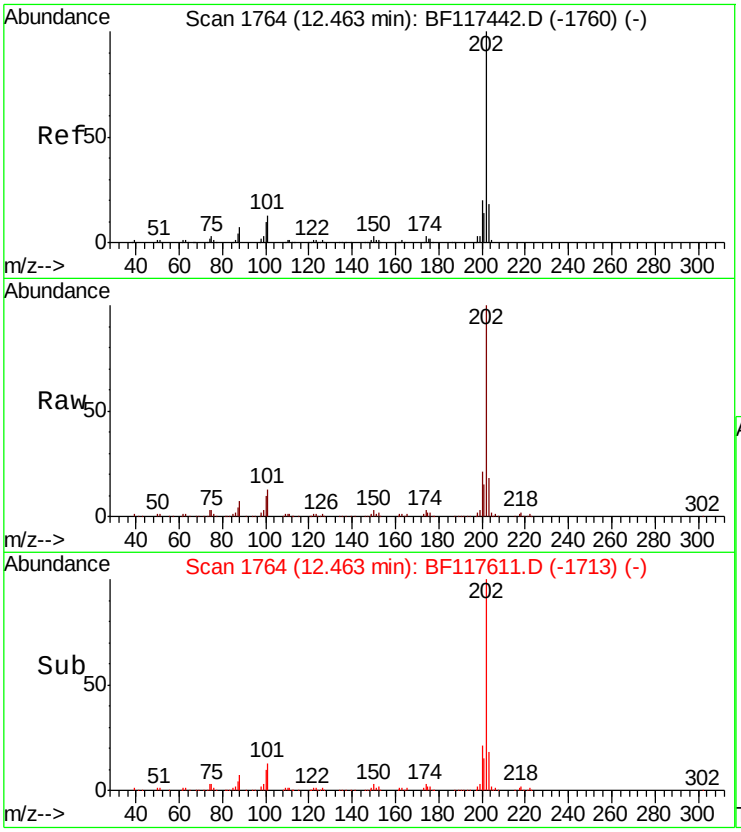


#72
Anthracene
Concen: 5.783 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:178 Resp: 34345

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.7	22.1
179	14.0	12.2	18.2



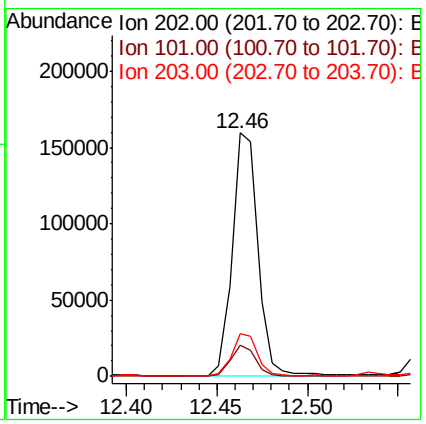


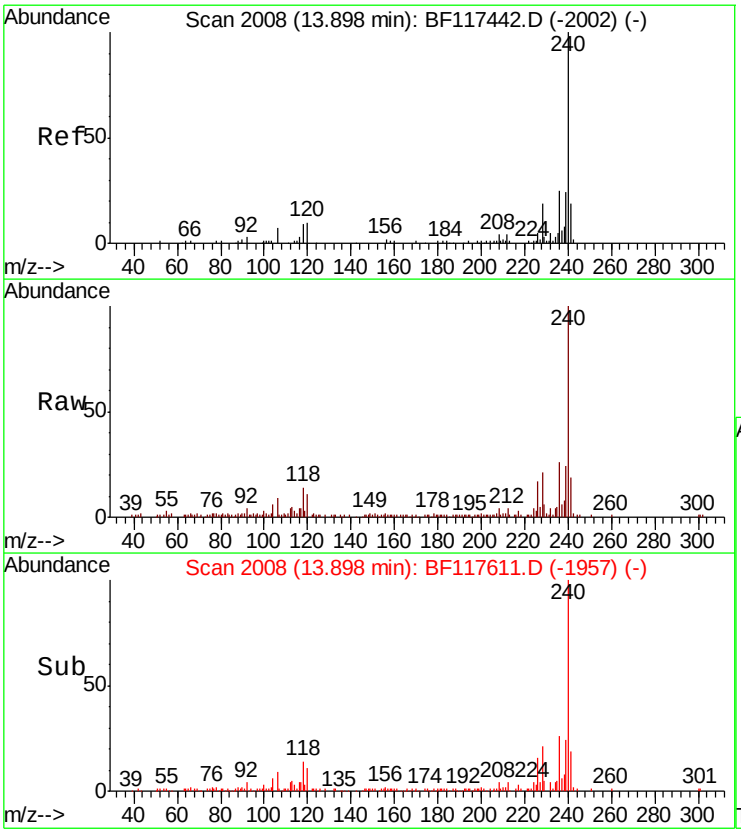
#75
Fluoranthene
Concen: 27.368 ng
RT: 12.46 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 158580

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	32.7
203	17.6	0.0	37.6

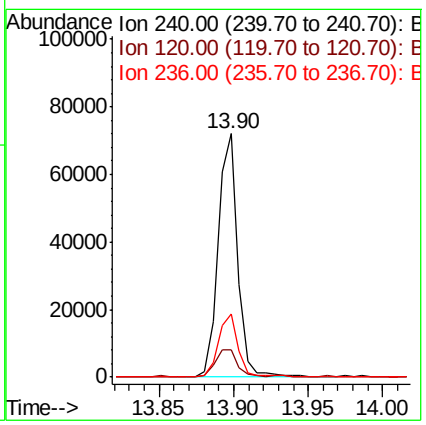


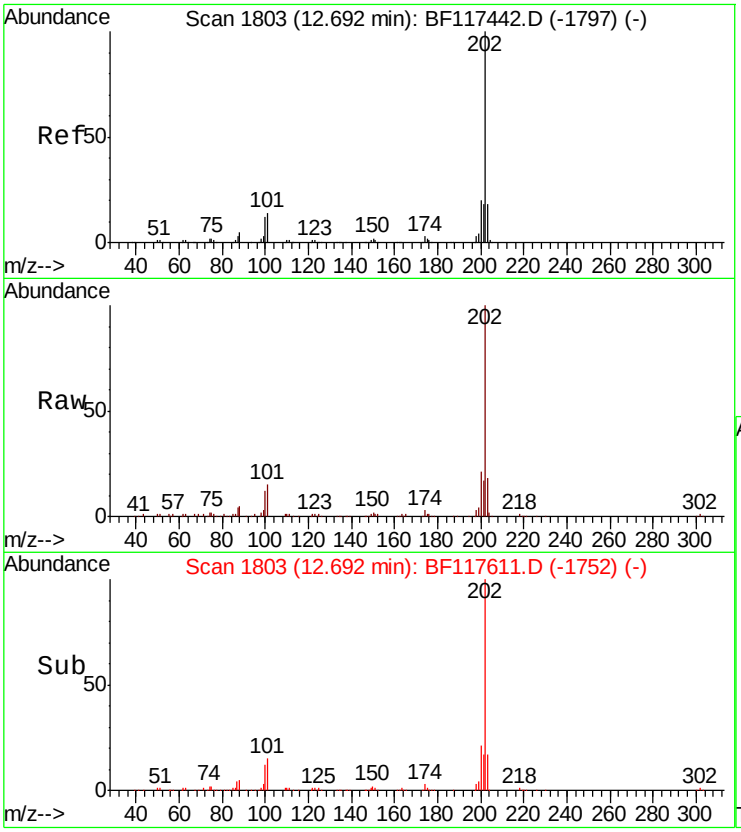


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:240 Resp: 66406

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.4	12.6
236	25.9	20.0	30.0



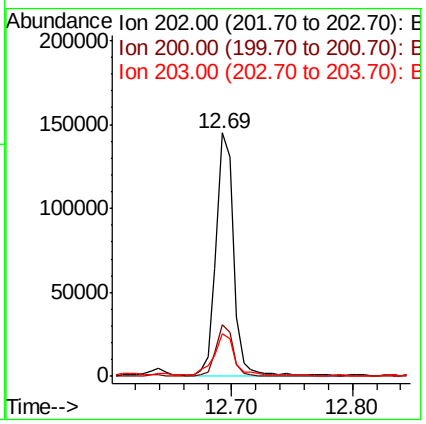


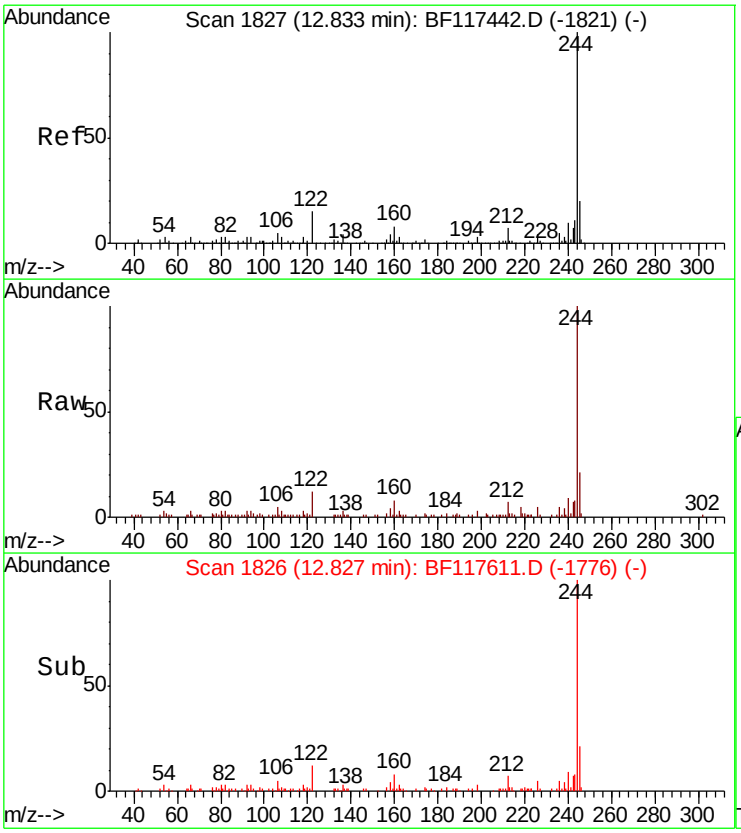
#78
Pyrene
Concen: 25.193 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 143698

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.2	24.2
203	17.7	14.0	21.0

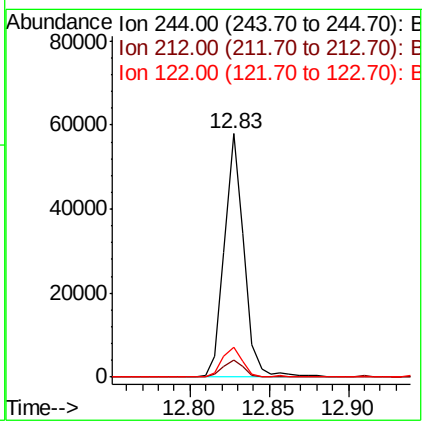


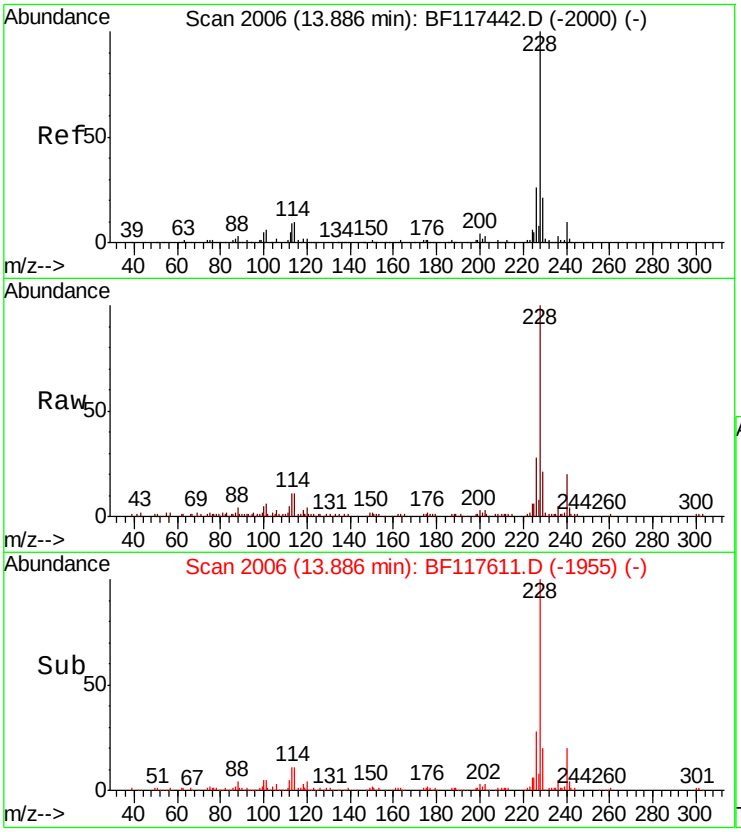


#79
Terphenyl-d14
Concen: 12.165 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:244 Resp: 49526

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.2	11.8	17.8



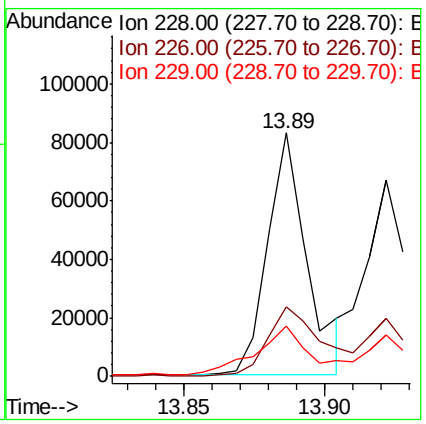


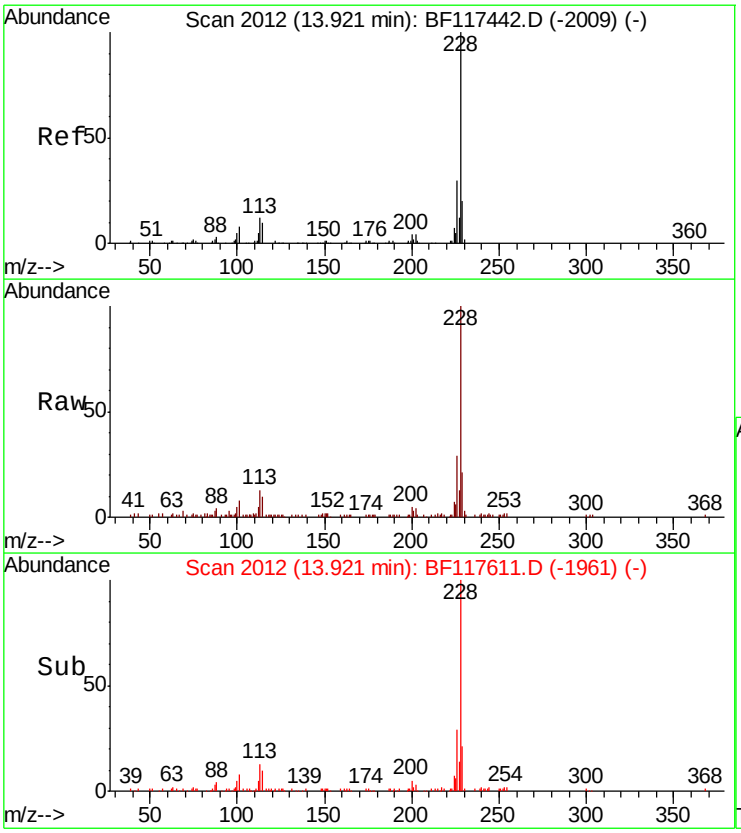
#81
Benzo(a)anthracene
Concen: 18.044 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 80825

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.0	31.4
229	20.8	16.4	24.6

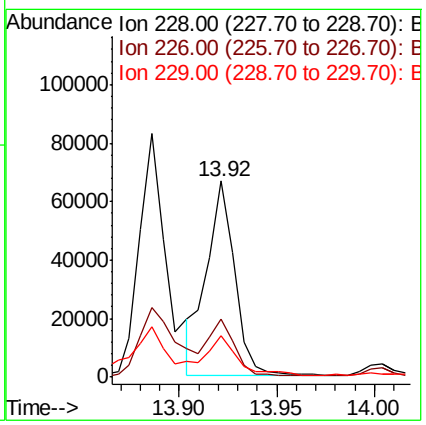


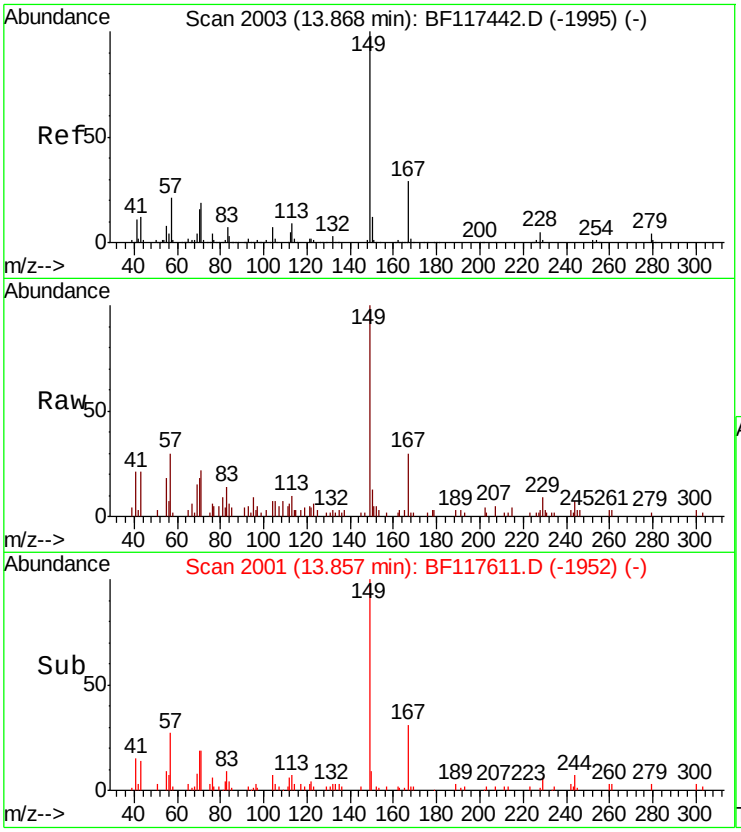


#83
Chrysene
Concen: 15.265 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:228 Resp: 67014

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	21.2	15.8	23.6



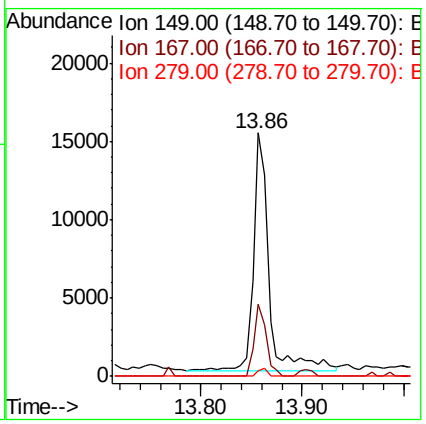


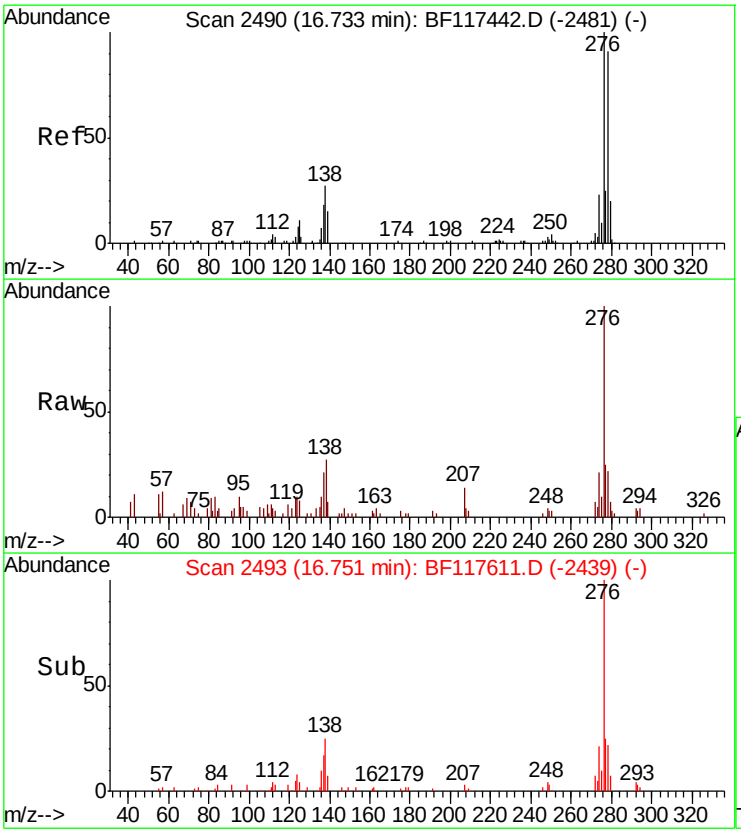
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.039 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:149 Resp: 16060

Ion	Ratio	Lower	Upper
149	100		
167	29.8	23.3	34.9
279	2.5	3.2	4.8#

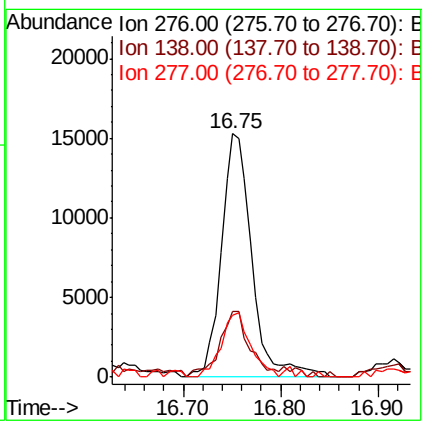


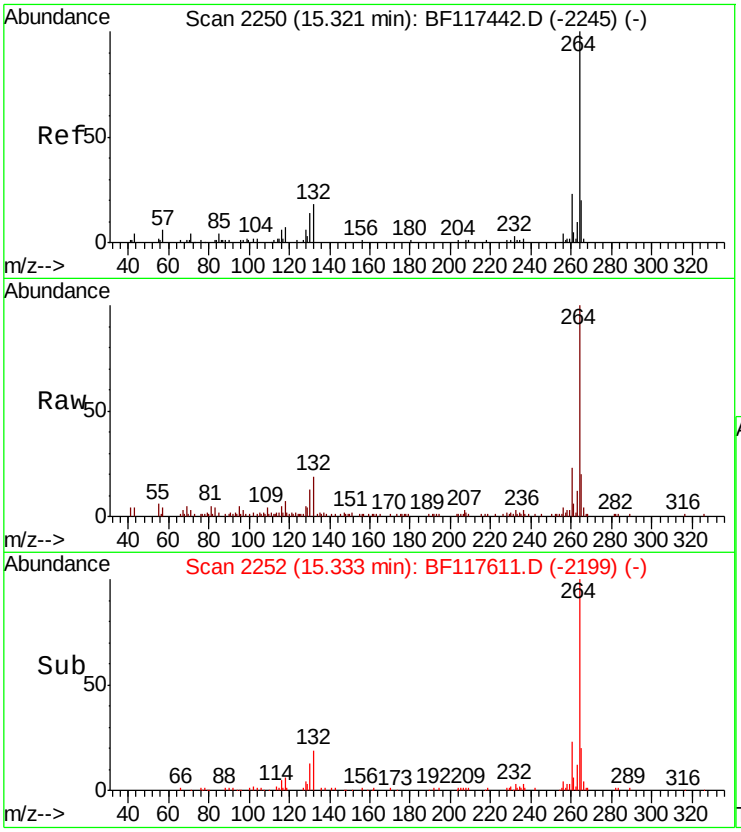


#86
Indeno(1,2,3-cd)pyrene
Concen: 10.089 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:276 Resp: 33069

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.8
277	25.1	20.0	30.0



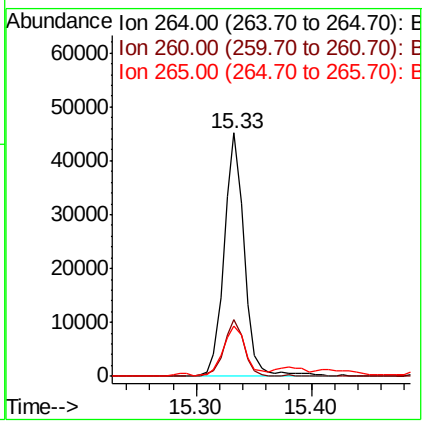


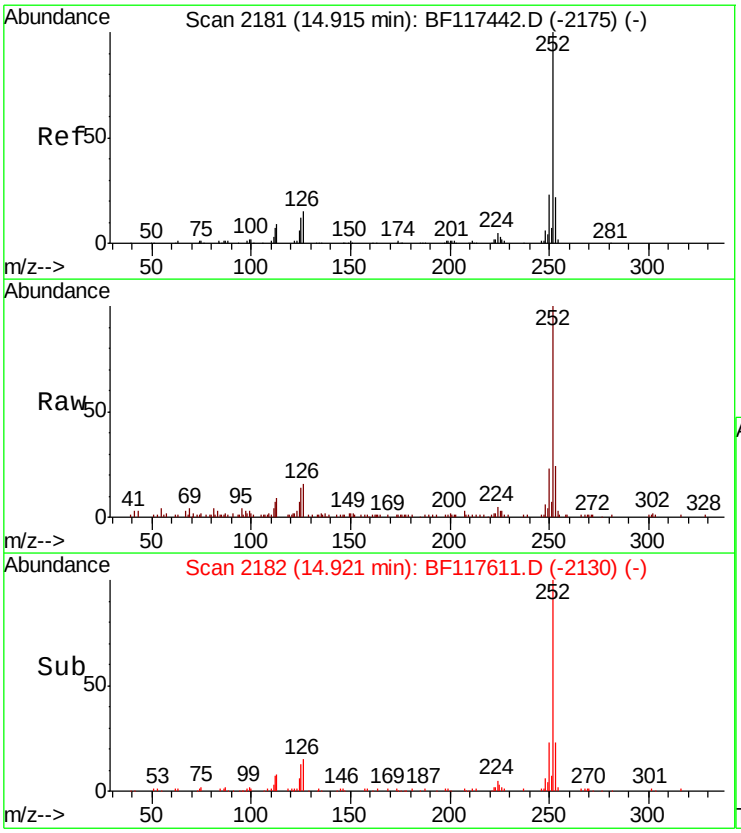
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 54481

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.4	27.6
265	20.5	16.1	24.1

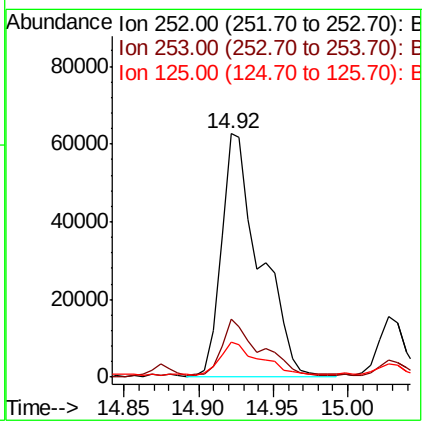


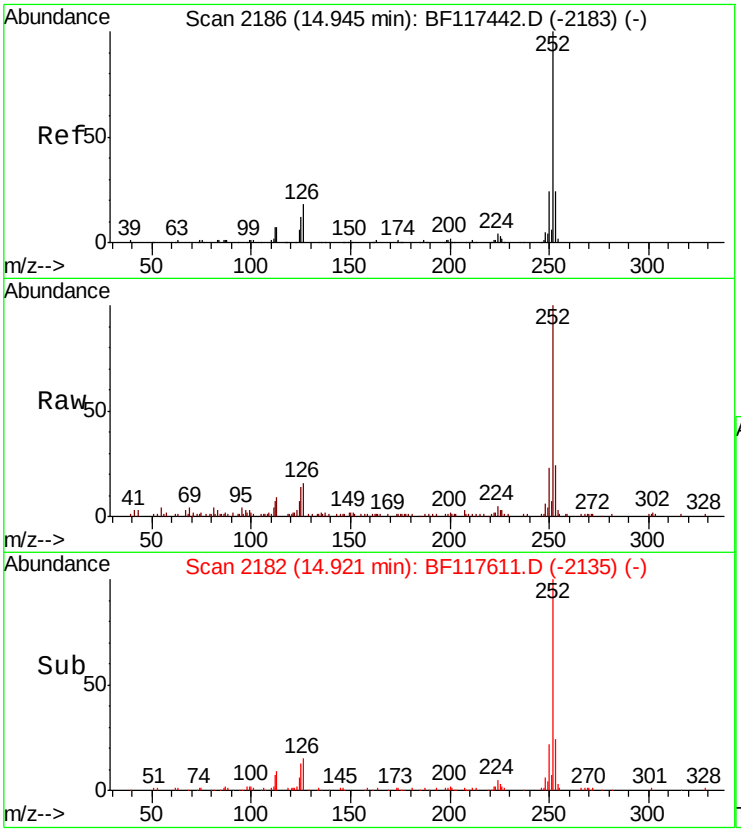


#88
Benzo(b)fluoranthene
Concen: 35.537 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:252 Resp: 114330

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	14.4	9.9	14.9



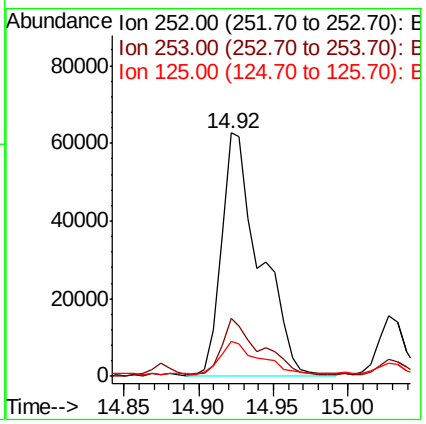


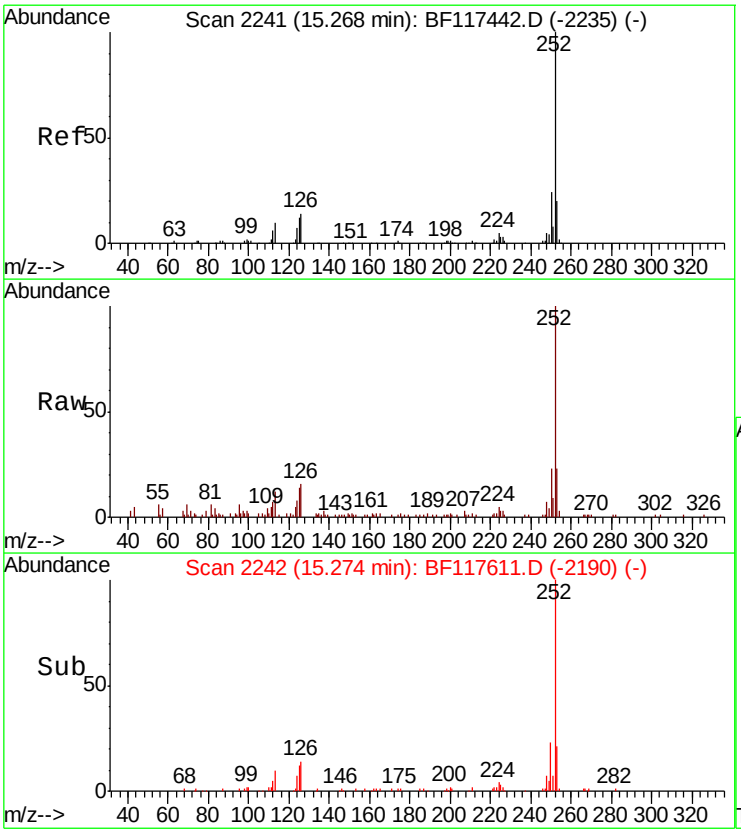
#89
Benzo(k)fluoranthene
Concen: 34.673 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 114330

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.0	27.0
125	14.4	8.9	13.3#

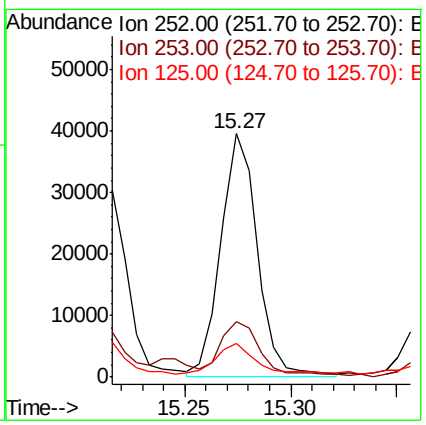


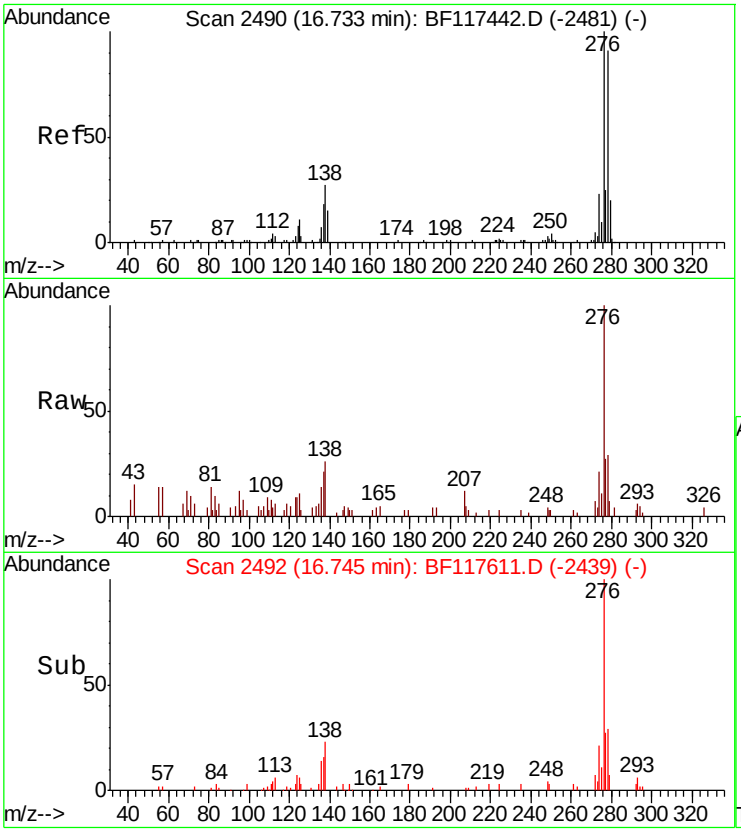


#90
Benzo(a)pyrene
Concen: 16.125 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:252 Resp: 47166

Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.3	24.5
125	13.8	9.2	13.8



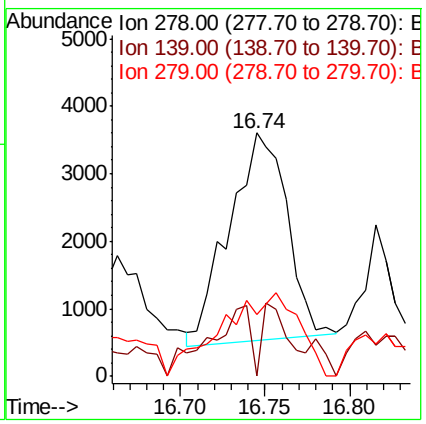


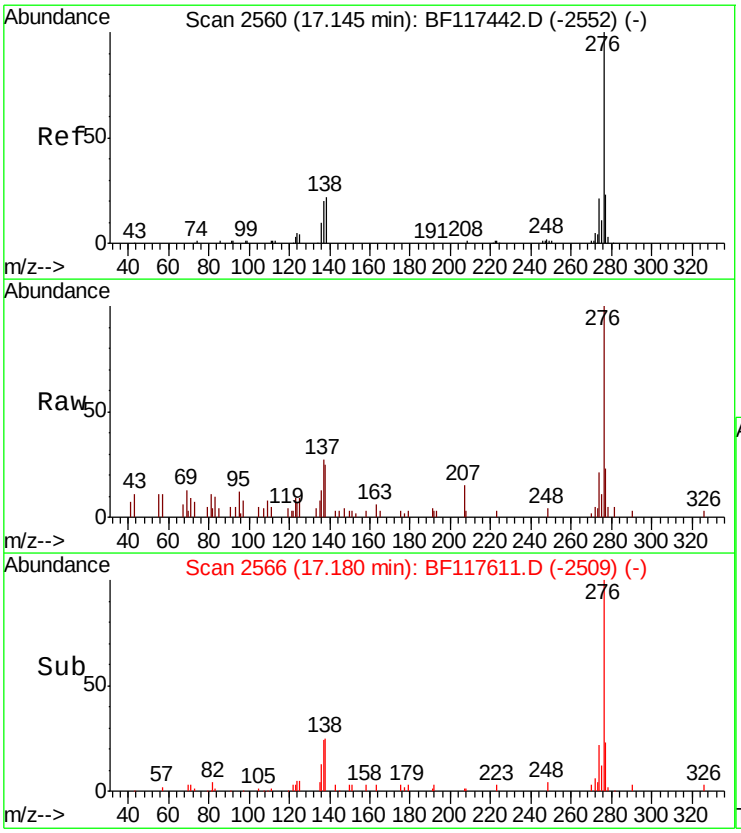
#91
Dibenzo(a,h)anthracene
Concen: 2.899 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 7332

Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.4	20.0#
279	25.4	17.8	26.6





#92
Benzo(g,h,i)perylene
Concen: 11.745 ng
RT: 17.18 min Scan# 2566
Delta R.T. 0.04 min
Lab File: BF117611.D
Acq: 30 Oct 2019 1:13

Tgt Ion:276 Resp: 28106

Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.4	27.6
138	24.6	17.8	26.6