Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117645.D
Acq On : 31 Oct 2019 4:54
Operator : JU
Sample : K5576-17DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 31 07:58:51 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	36448	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	152329	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	76457	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	116600	20.00	ng	0.00
76) Chrysene-d12	13.90	240	81007	20.00	ng	0.00
87) Perylene-d12	15.34	264	72522	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	84776	34.60	ng	0.00
7) Phenol-d6	6.39	99	123275	37.46	ng	0.01
23) Nitrobenzene-d5	7.30	82	73626	23.86	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	22063	33.35	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	143385	26.42	ng	-0.01
79) Terphenyl-d14	12.83	244	122254	24.62	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	2420	Below Cal	#	78
19) n-Nitroso-di-n-propylamine	7.30	70	9085	4.521	ng	# 80
25) Isophorone	7.30	82	73626	13.793	ng	# 65
49) Acenaphthylene	9.62	152	69647	9.936	ng	97
50) Dimethylphthalate	9.48	163	17799	3.266	ng	96
51) 2,6-Dinitrotoluene	9.76	165	9922	8.723	ng	# 22
56) 4-Nitrophenol	9.97	139	4247	10.471	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	9922	6.561	ng	# 12
71) Phenanthrene	11.27	178	178971	26.434	ng	99
72) Anthracene	11.33	178	55592	8.002	ng	98
73) Carbazole	11.49	167	22459	3.538	ng	98
75) Fluoranthene	12.47	202	368436	54.359	ng	98
77) Benzidine	12.52	184	117	Below Cal	#	67
78) Pyrene	12.70	202	322662	46.372	ng	98
81) Benzo(a)anthracene	13.89	228	161527	29.561	ng	97
83) Chrysene	13.93	228	165089	30.827	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	12840	2.647	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.76	276	61603	15.407	ng	94
88) Benzo(b)fluoranthene	14.93	252	267016	62.350	ng	99
89) Benzo(k)fluoranthene	14.93	252	267016	60.833	ng	98
90) Benzo(a)pyrene	15.28	252	112183	28.812	ng	# 93
91) Dibenzo(a,h)anthracene	16.76	278	13885	4.124	ng	# 83
92) Benzo(g,h,i)perylene	17.19	276	51725	16.237	ng	97

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

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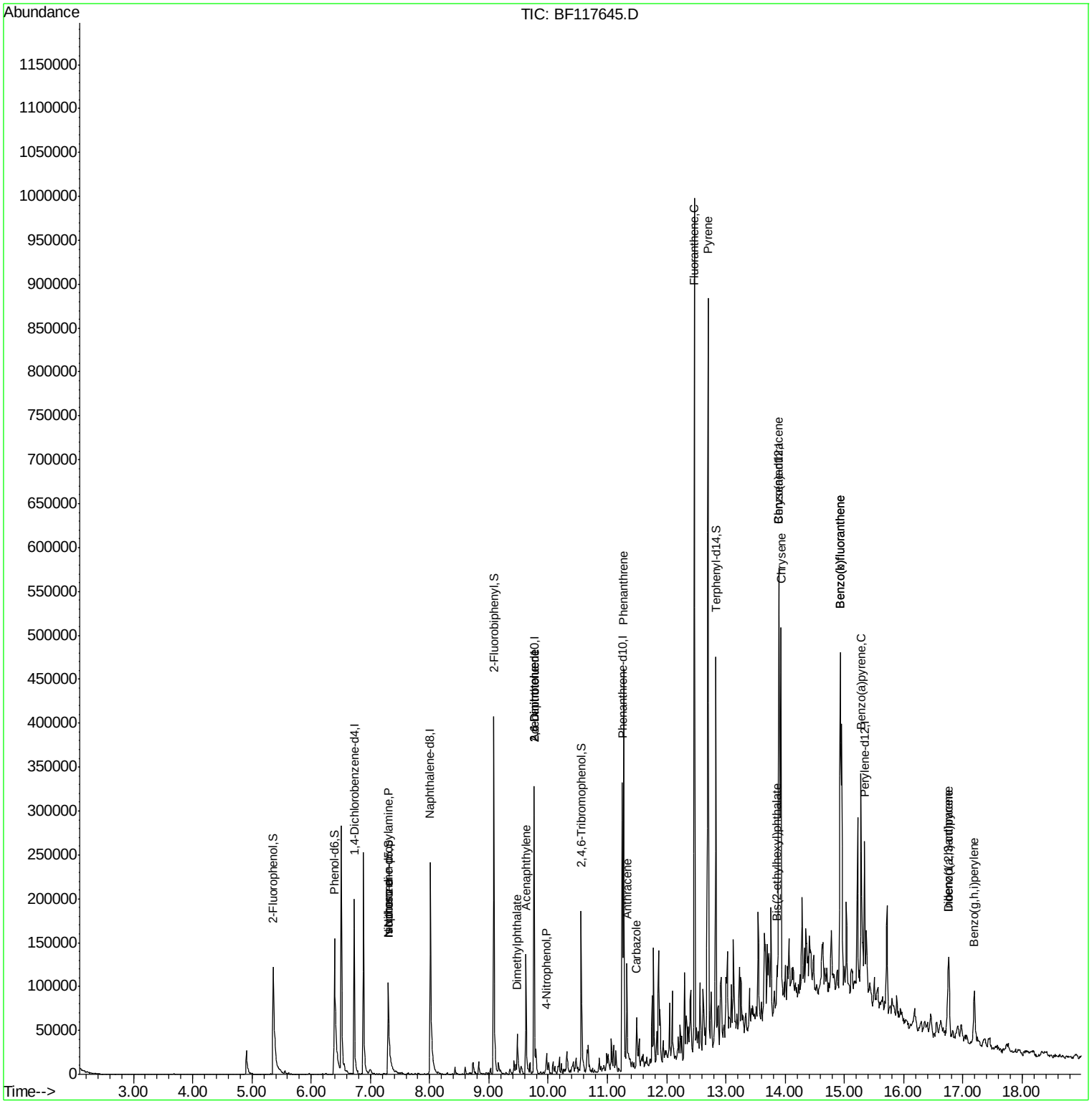
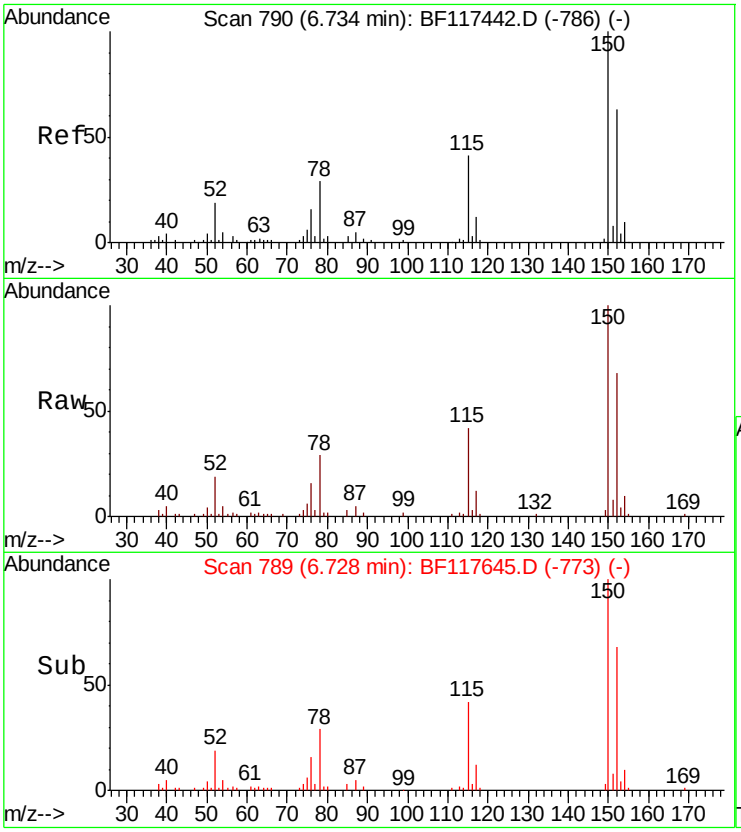


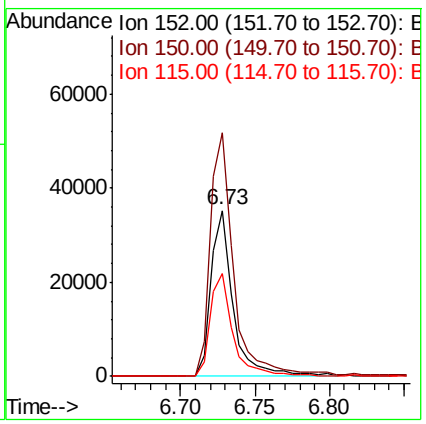


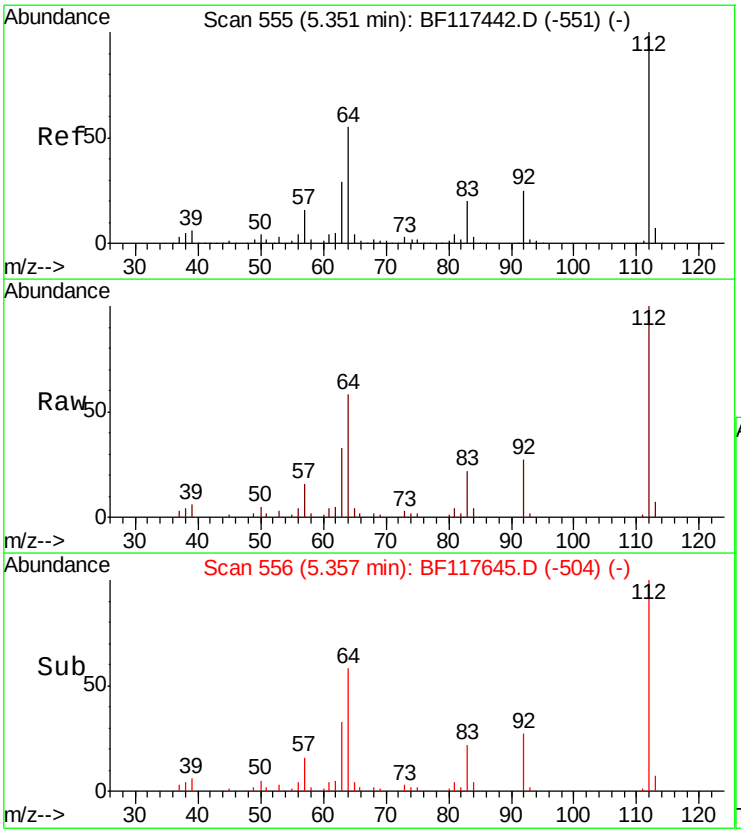
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 36448

Ion	Ratio	Lower	Upper
152	100		
150	146.8	126.8	190.2
115	62.0	51.6	77.4

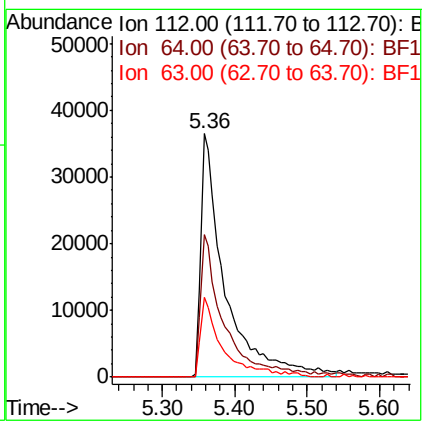


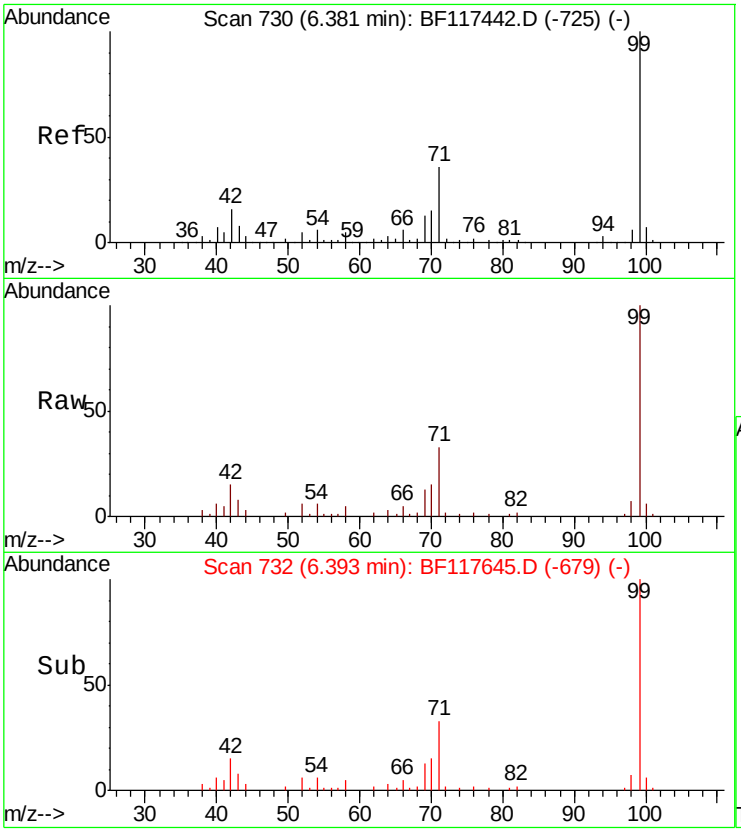


#5
2-Fluorophenol
Concen: 34.603 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:112 Resp: 84776

Ion	Ratio	Lower	Upper
112	100		
64	58.3	44.1	66.1
63	32.8	23.4	35.2



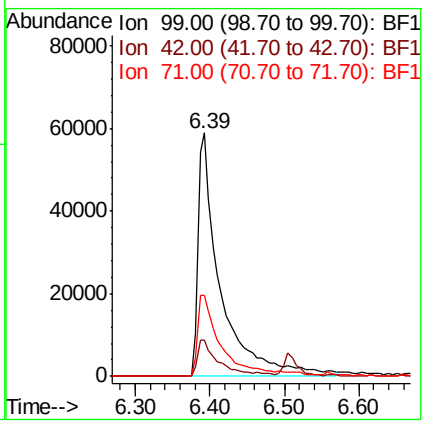


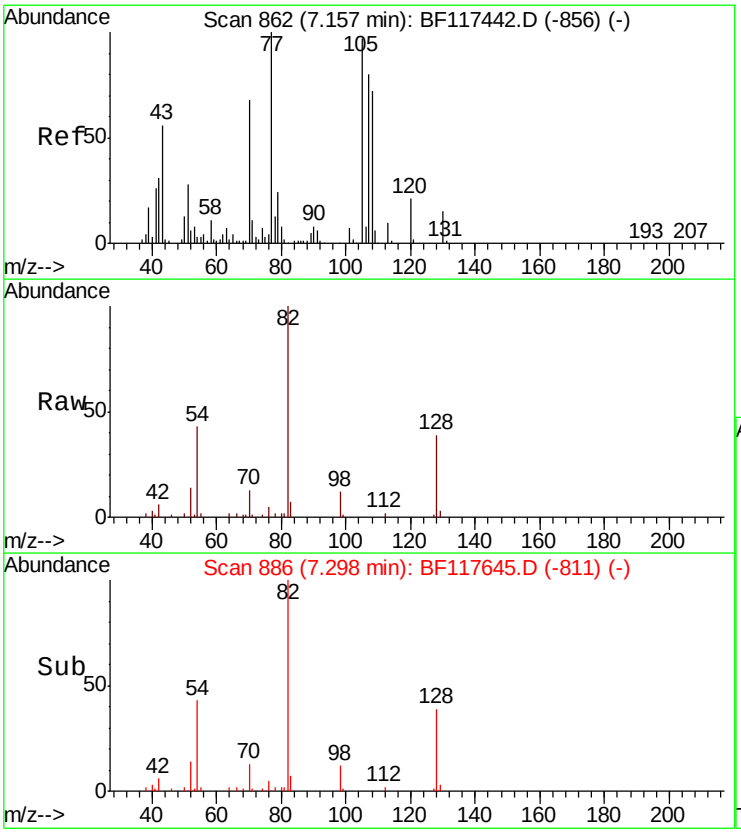
#7
Phenol-d6
Concen: 37.463 ng
RT: 6.39 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 123275

Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.8	19.2
71	33.4	28.6	43.0

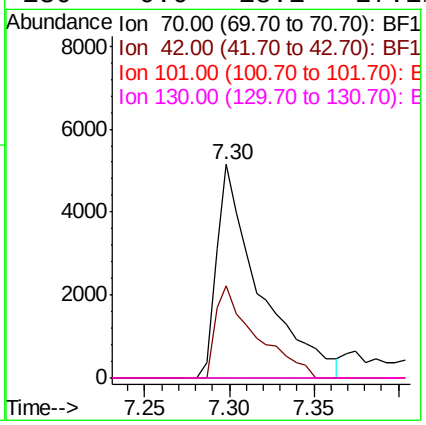


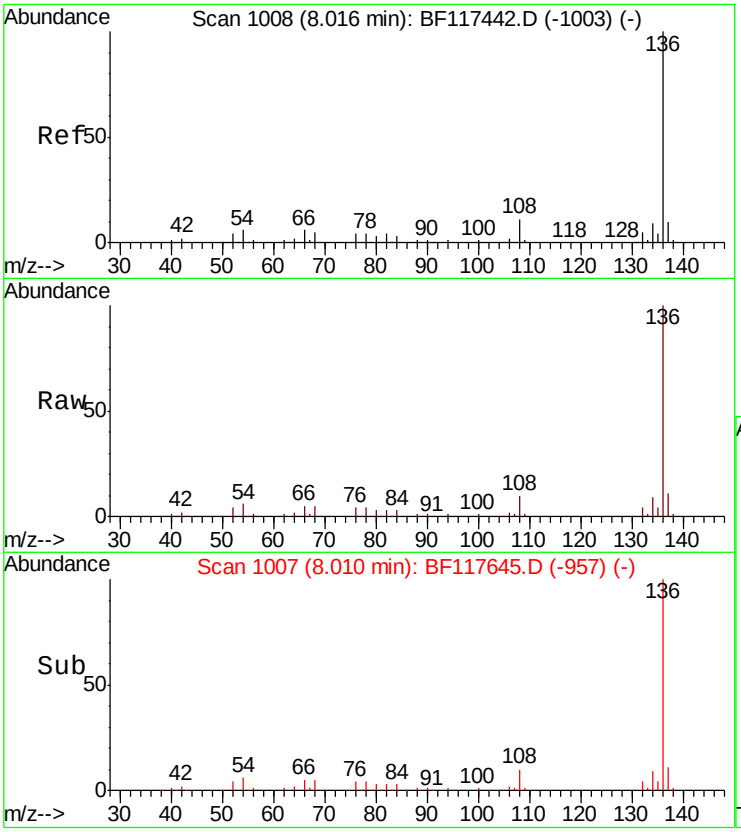


#19
n-Nitroso-di-n-propylamine
Concen: 4.521 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion: 70 Resp: 9085

Ion	Ratio	Lower	Upper
70	100		
42	43.0	36.7	55.1
101	0.0	8.3	12.5#
130	0.0	18.1	27.1#



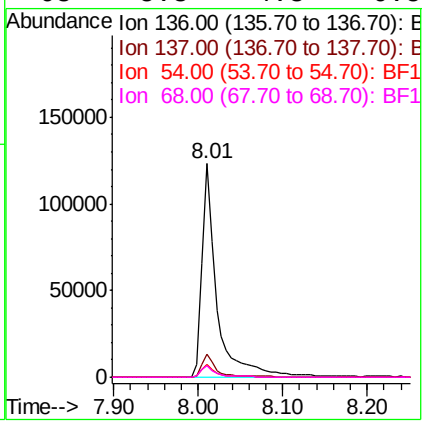


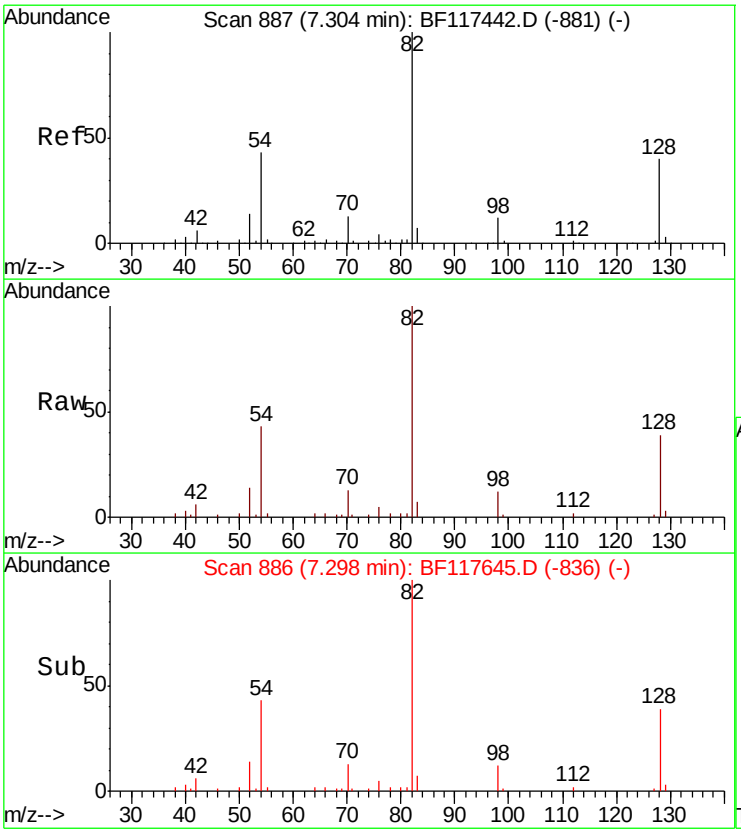
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 152329

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	5.9	4.5	6.7
68	5.3	4.3	6.5

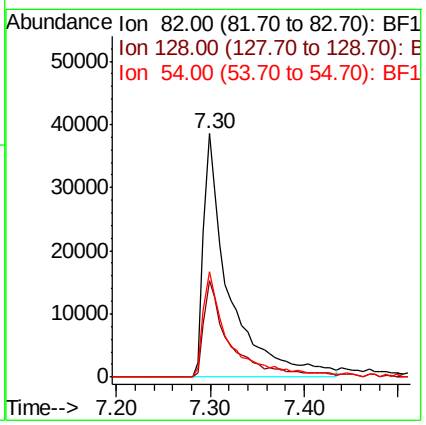


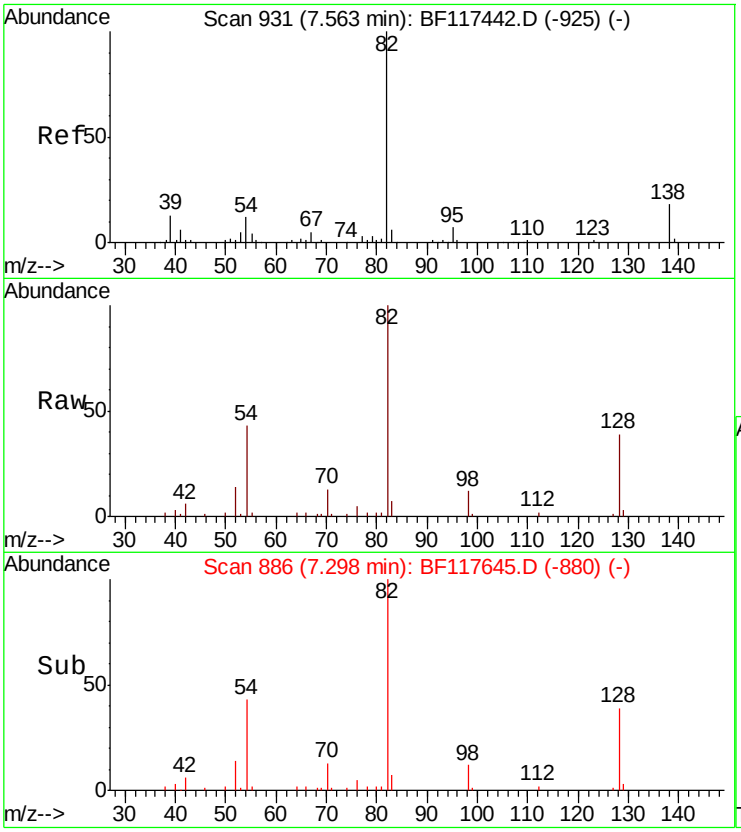


#23
Nitrobenzene-d5
Concen: 23.861 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion: 82 Resp: 73626

Ion	Ratio	Lower	Upper
82	100		
128	39.5	32.2	48.2
54	43.3	34.2	51.2



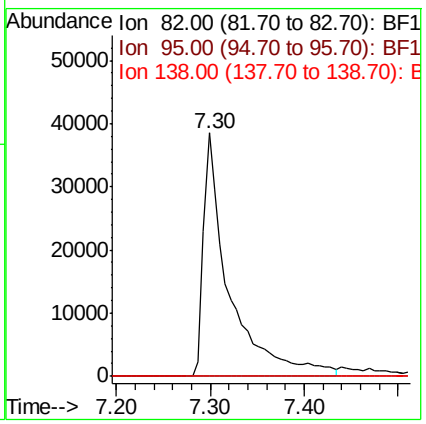


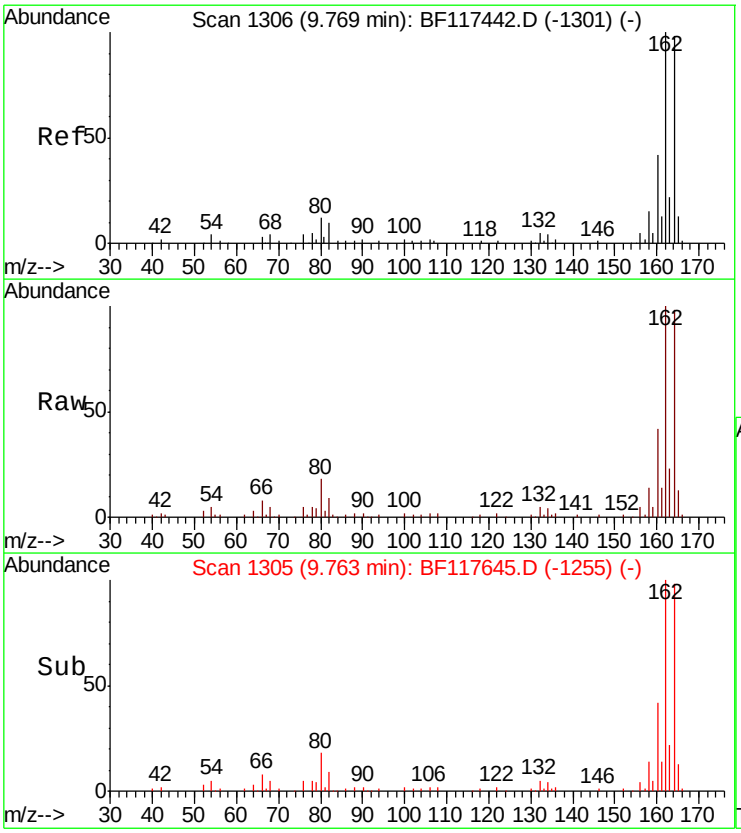
#25
Isophorone
Concen: 13.793 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 73626

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

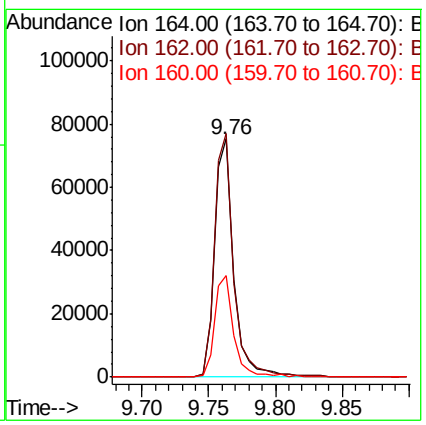


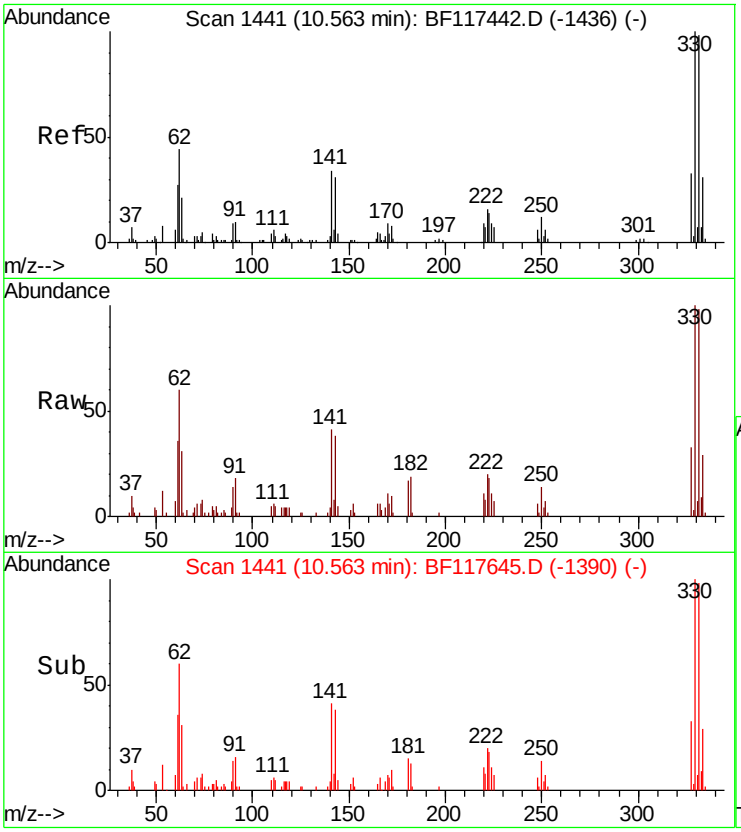


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:164 Resp: 76457

Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.8	122.6
160	42.4	34.4	51.6



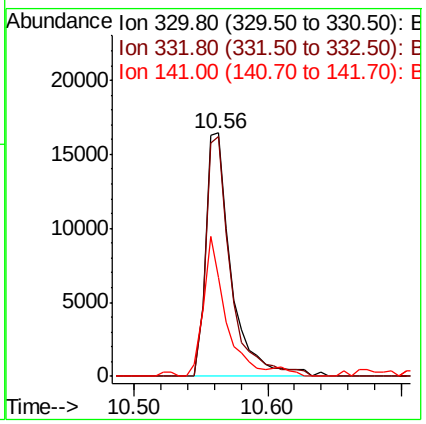


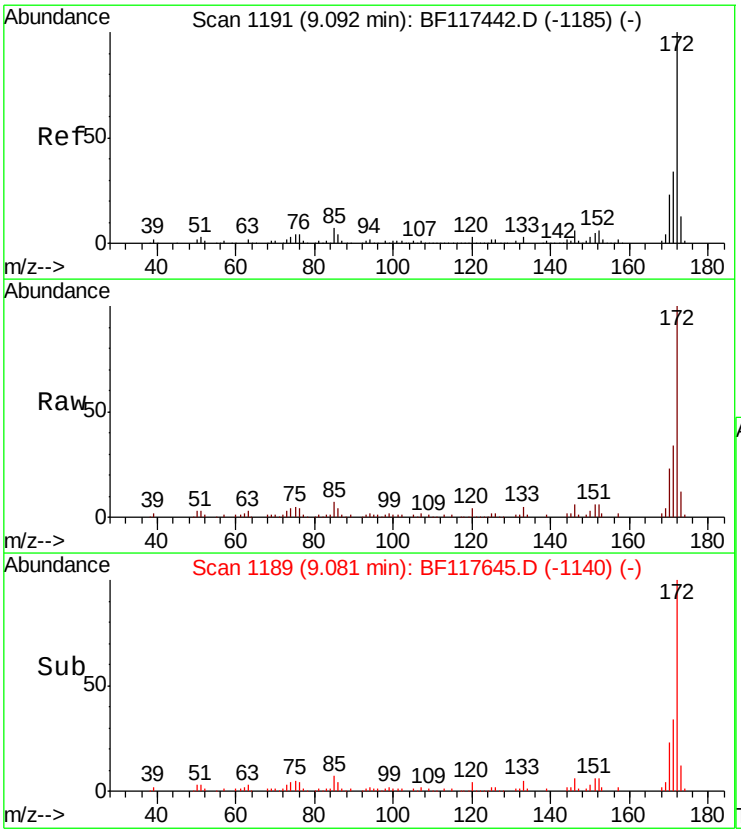
#42
2,4,6-Tribromophenol
Concen: 33.350 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 22063

Ion	Ratio	Lower	Upper
330	100		
332	95.8	78.5	117.7
141	49.1	37.0	55.6

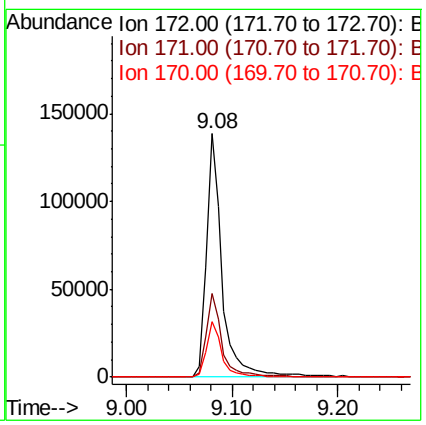


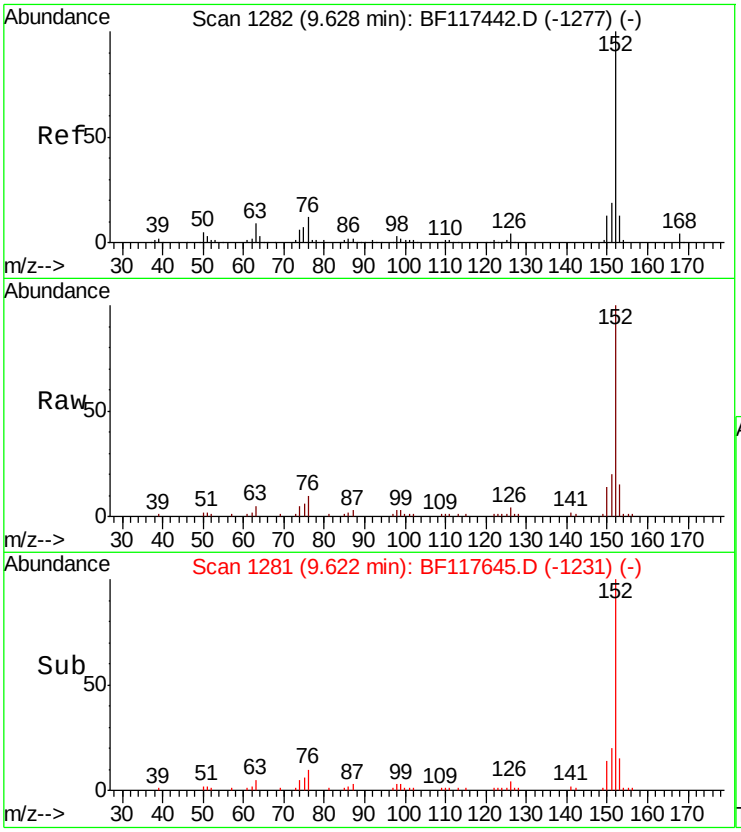


#45
2-Fluorobiphenyl
Concen: 26.424 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:172 Resp: 143385

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.5	41.3
170	22.7	18.6	27.8

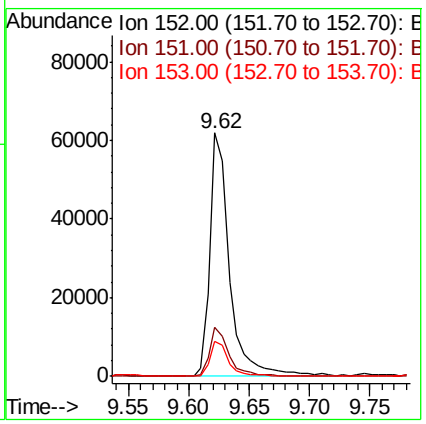




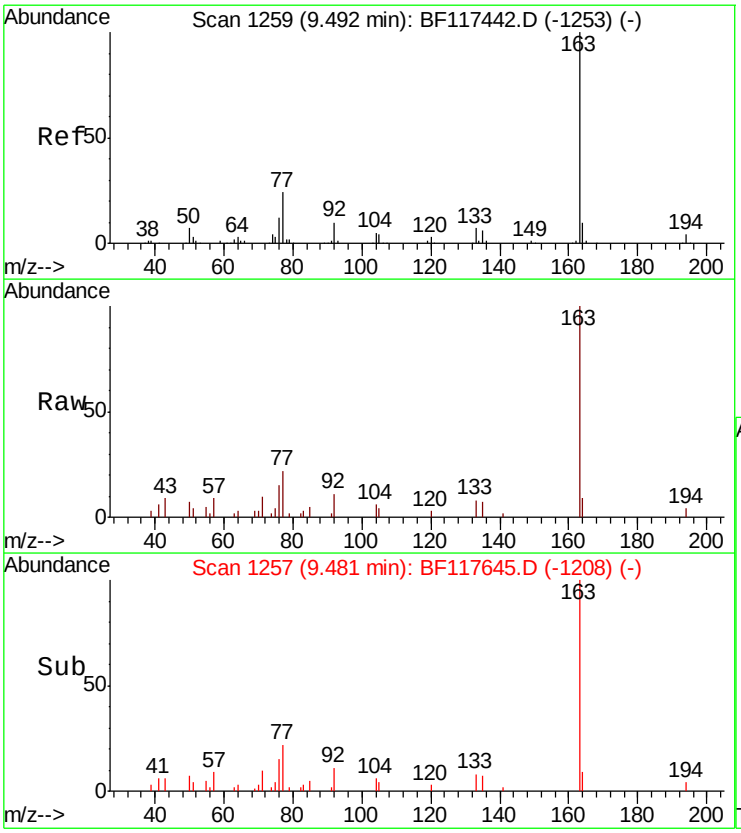
#49
Acenaphthylene
Concen: 9.936 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:152 Resp: 69647

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.4	23.0
153	14.5	10.3	15.5



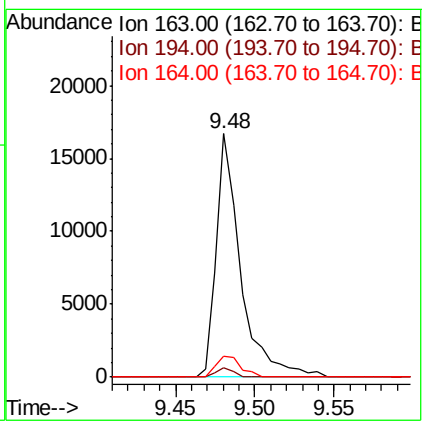
Instrument :
BNA_F
ClientSampleId :

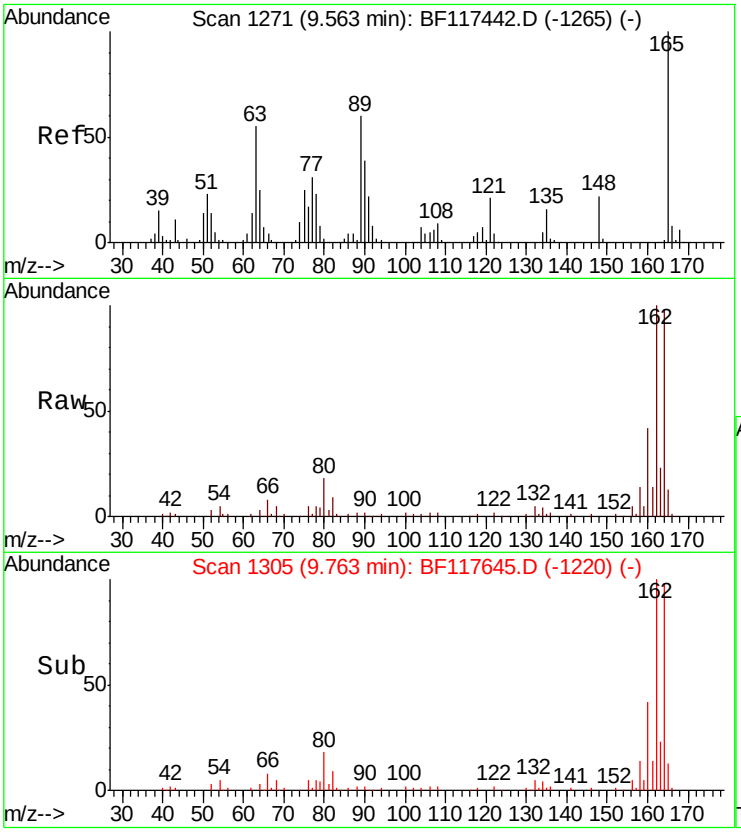


#50
Dimethylphthalate
Concen: 3.266 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:163 Resp: 17799

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.9	4.3
164	8.5	8.2	12.2



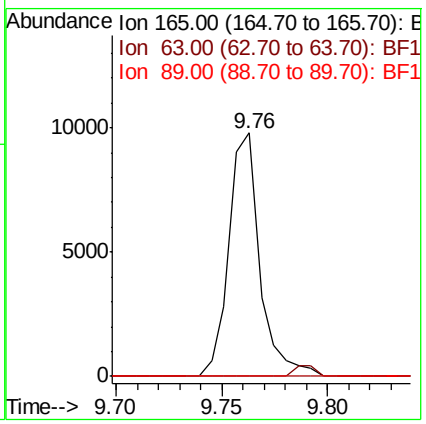


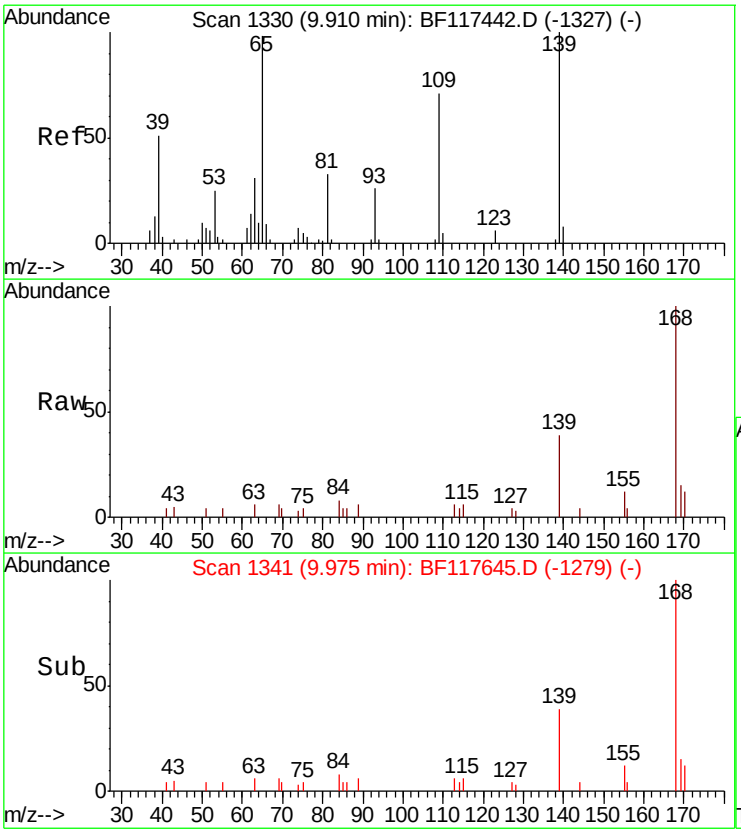
#51
2,6-Dinitrotoluene
Concen: 8.723 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9922

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

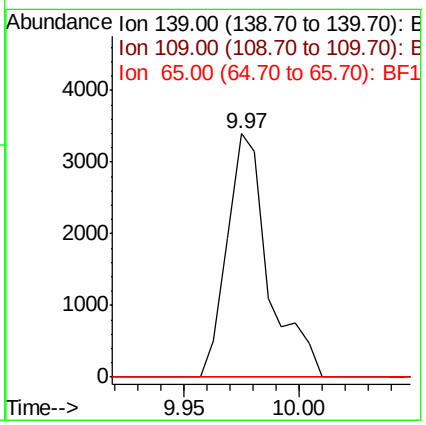


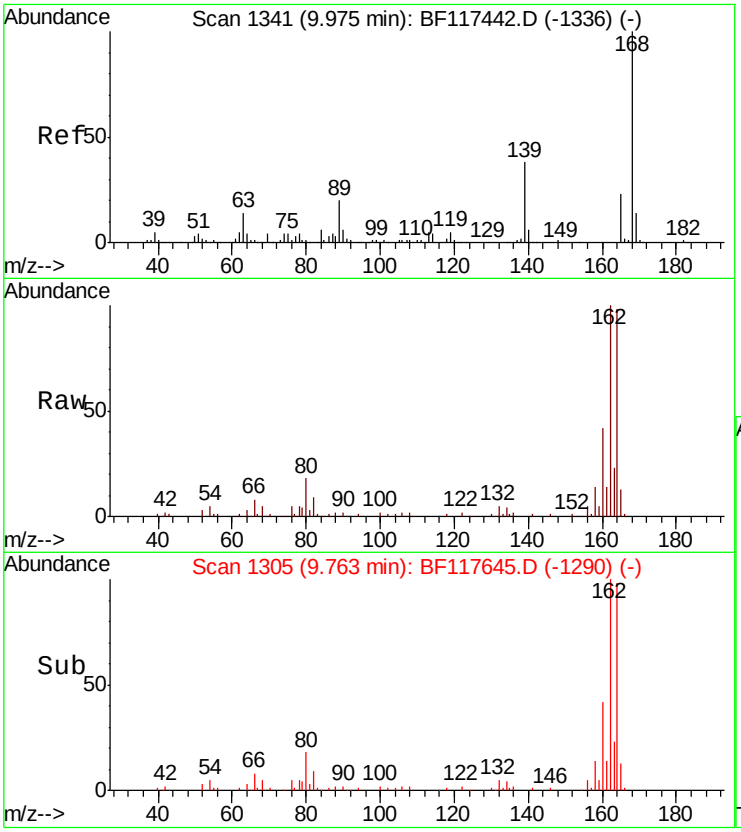


#56
4-Nitrophenol
Concen: 10.471 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:139 Resp: 4247

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



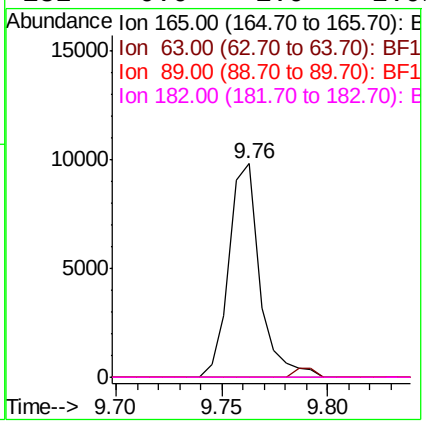


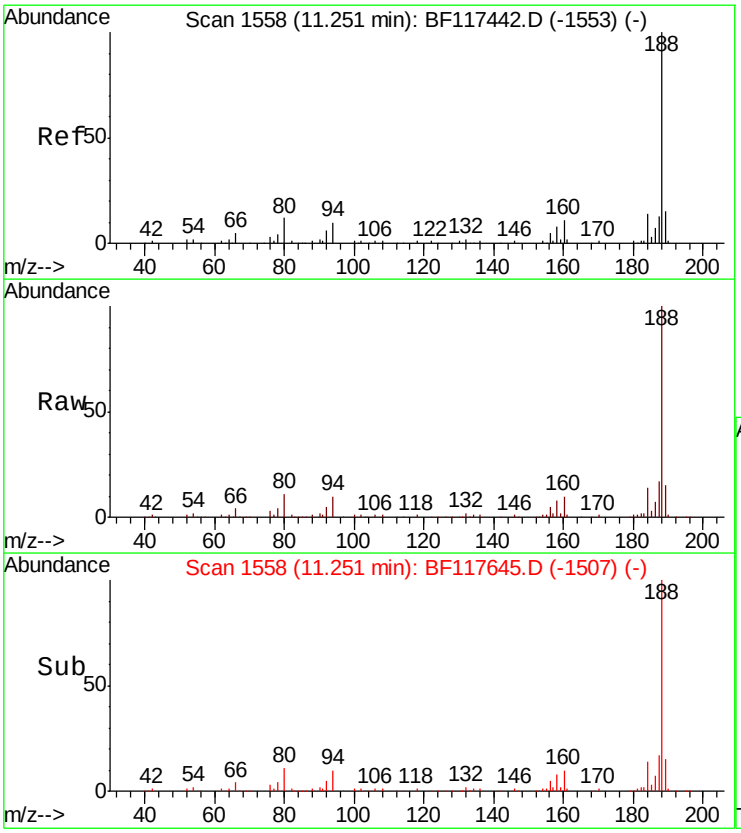
#57
2,4-Dinitrotoluene
Concen: 6.561 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 9922

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#

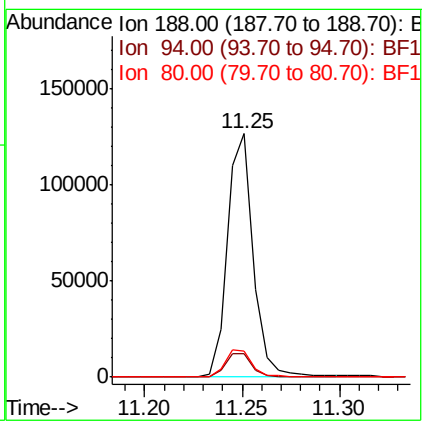


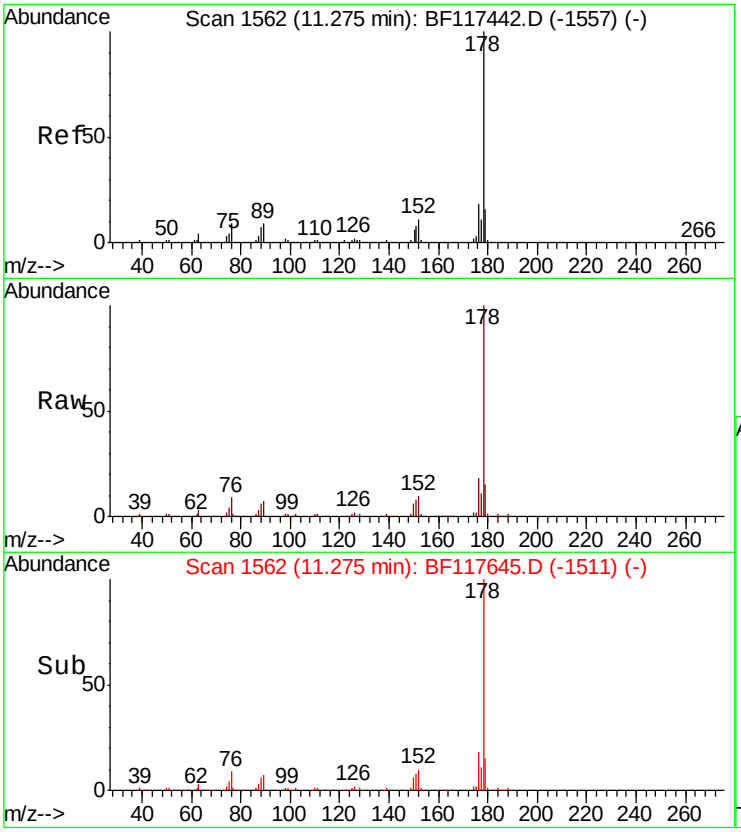


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:188 Resp: 116600

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.0	12.0
80	10.9	9.5	14.3



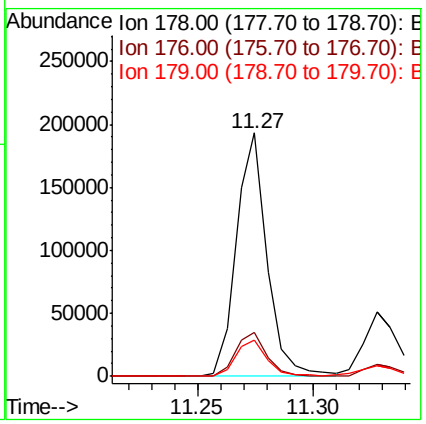


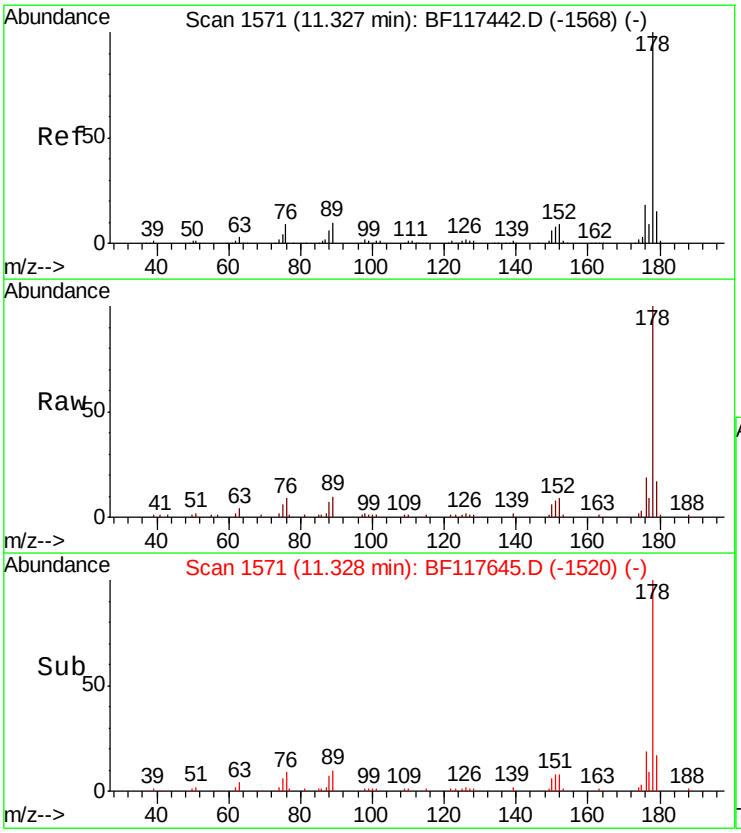
#71
Phenanthrene
Concen: 26.434 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 178971

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	14.9	12.6	19.0

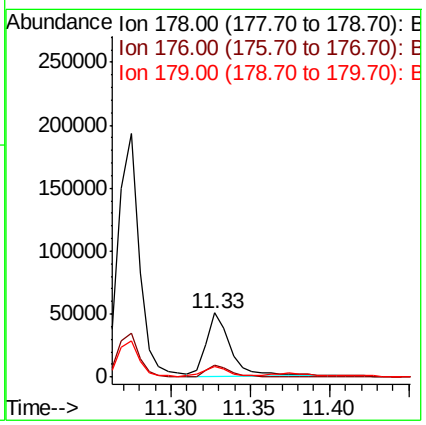


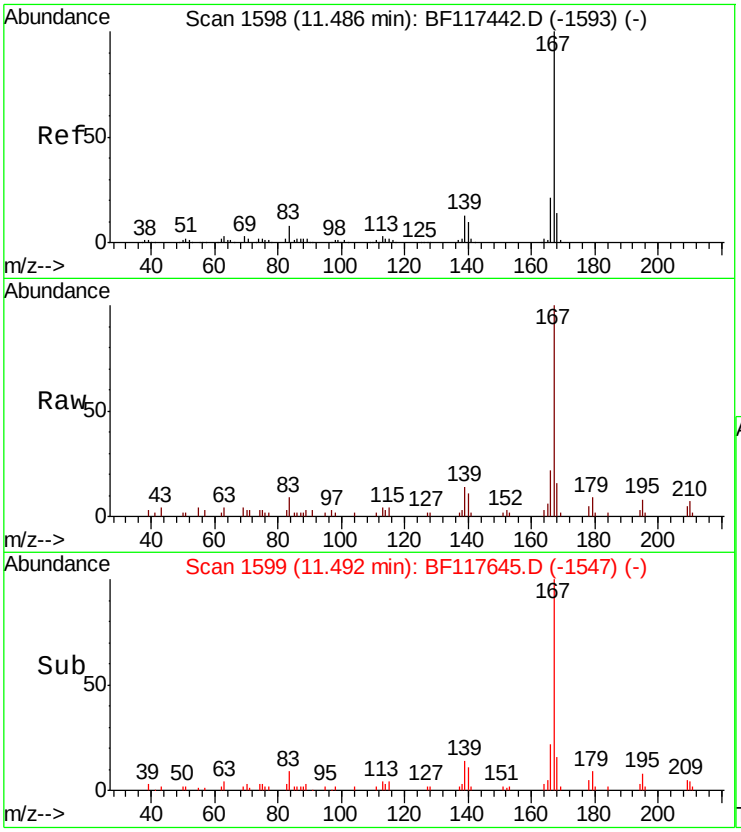


#72
Anthracene
Concen: 8.002 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:178 Resp: 55592

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	16.8	12.2	18.2



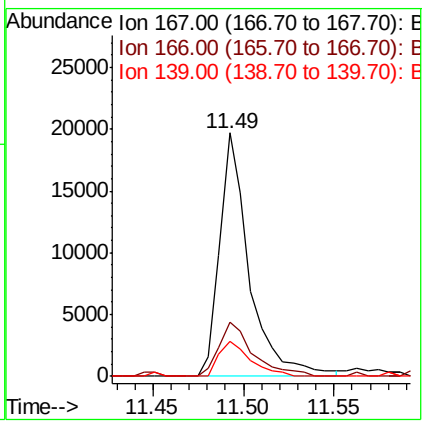


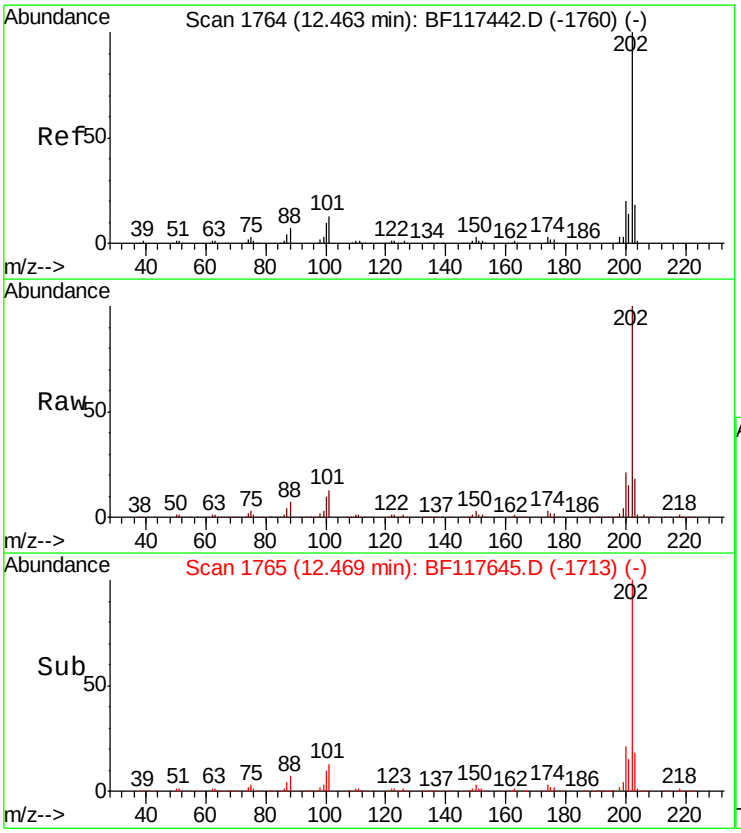
#73
Carbazole
Concen: 3.538 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 22459

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.0	25.6
139	14.3	10.6	16.0

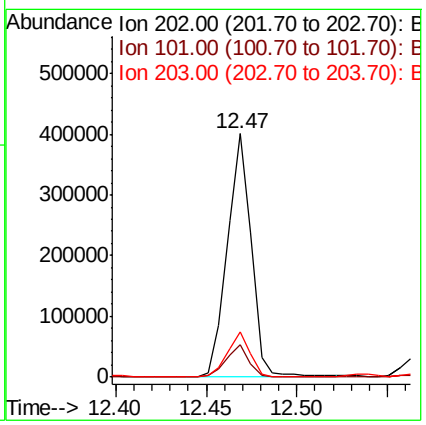


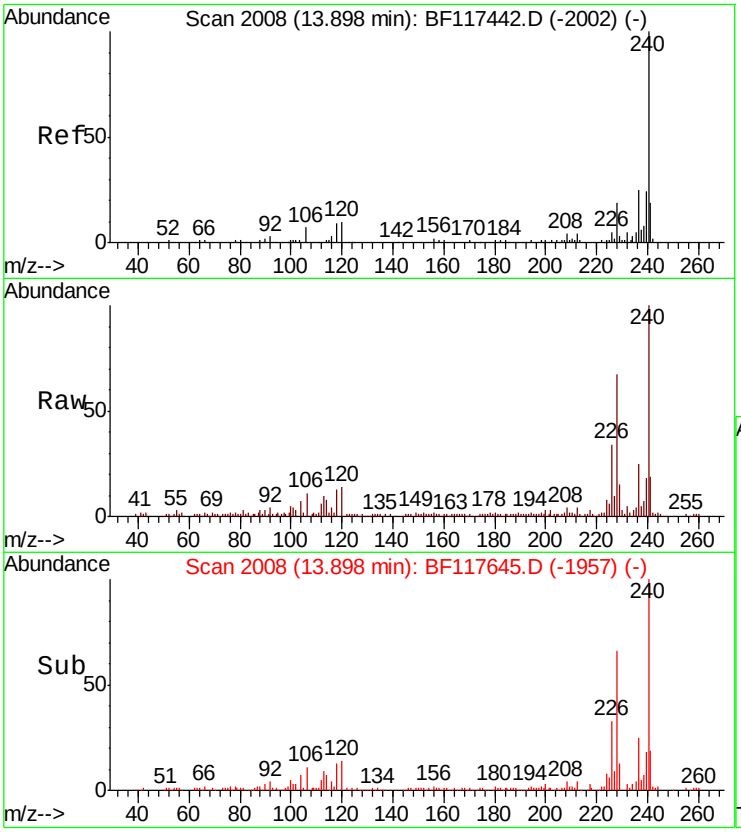


#75
Fluoranthene
Concen: 54.359 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:202 Resp: 368436

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.7
203	18.5	0.0	37.6



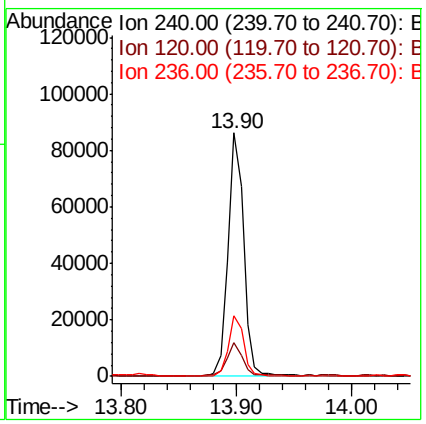


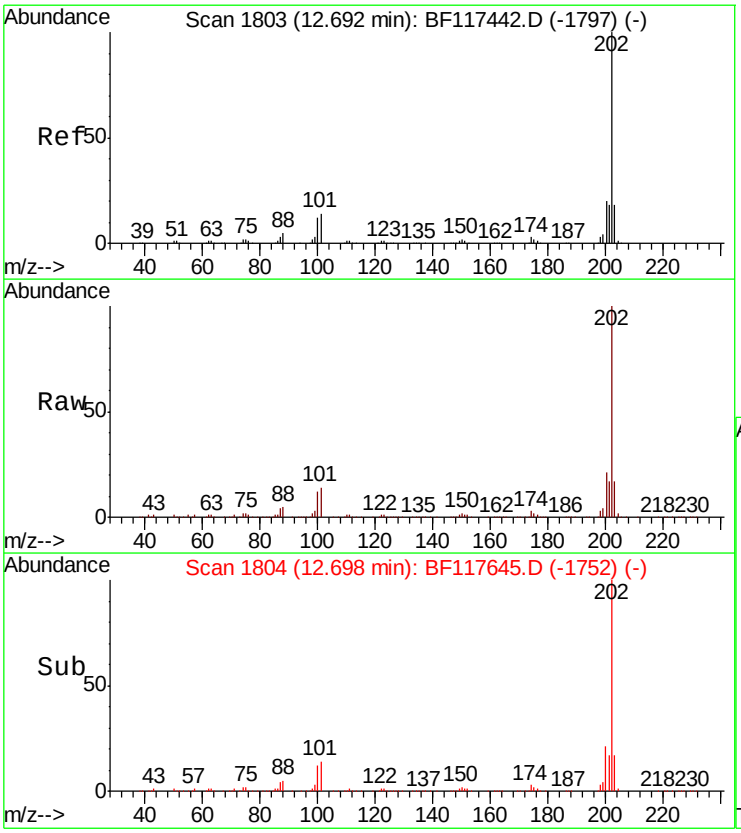
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 81007

Ion	Ratio	Lower	Upper
240	100		
120	13.9	8.4	12.6#
236	25.0	20.0	30.0

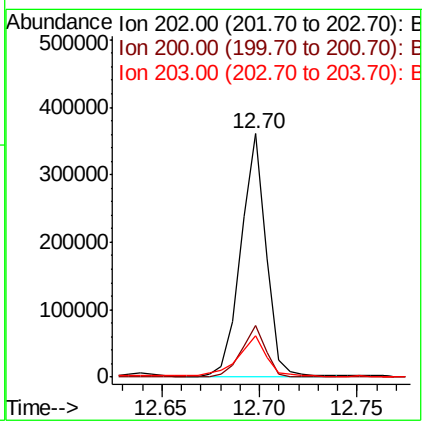


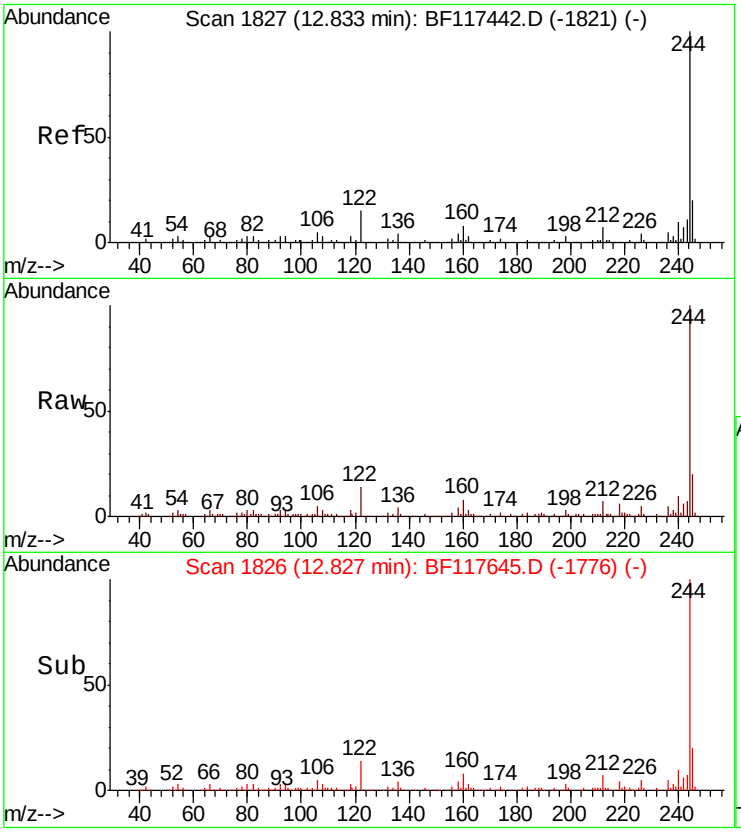


#78
Pyrene
Concen: 46.372 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:202 Resp: 322662

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.2	24.2
203	17.0	14.0	21.0



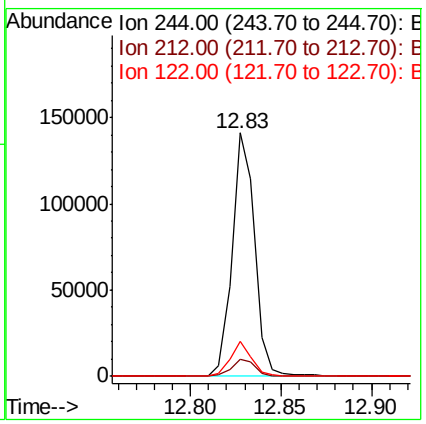


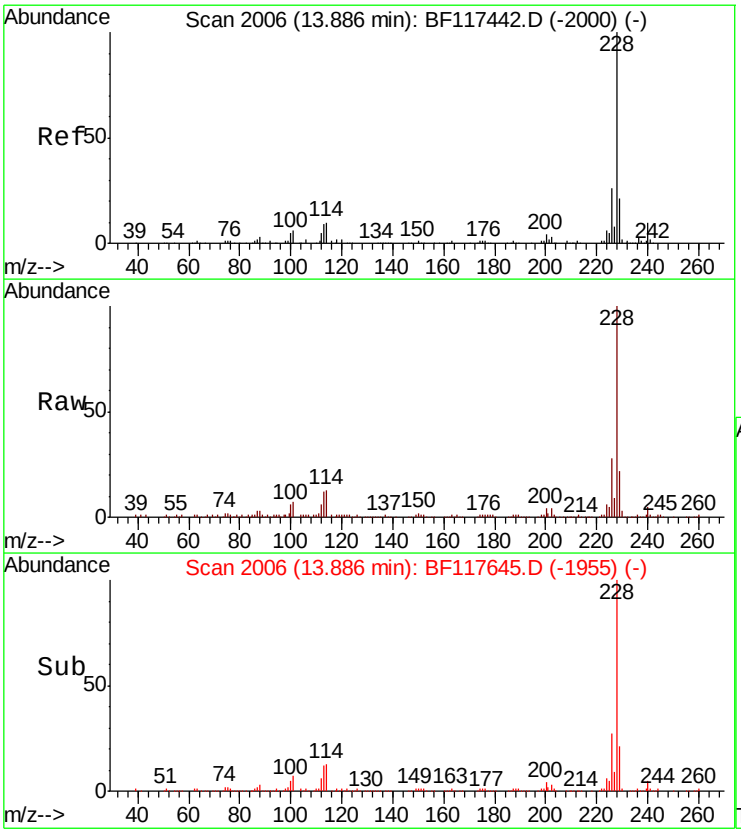
#79
Terphenyl-d14
Concen: 24.616 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 122254

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	14.2	11.8	17.8

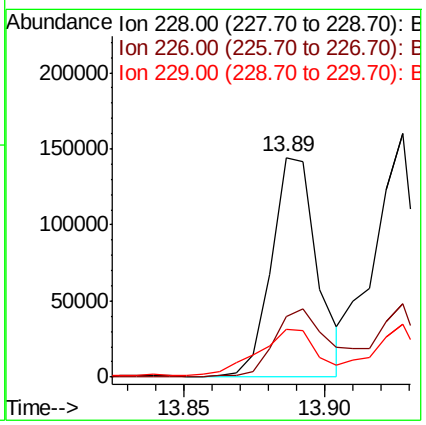


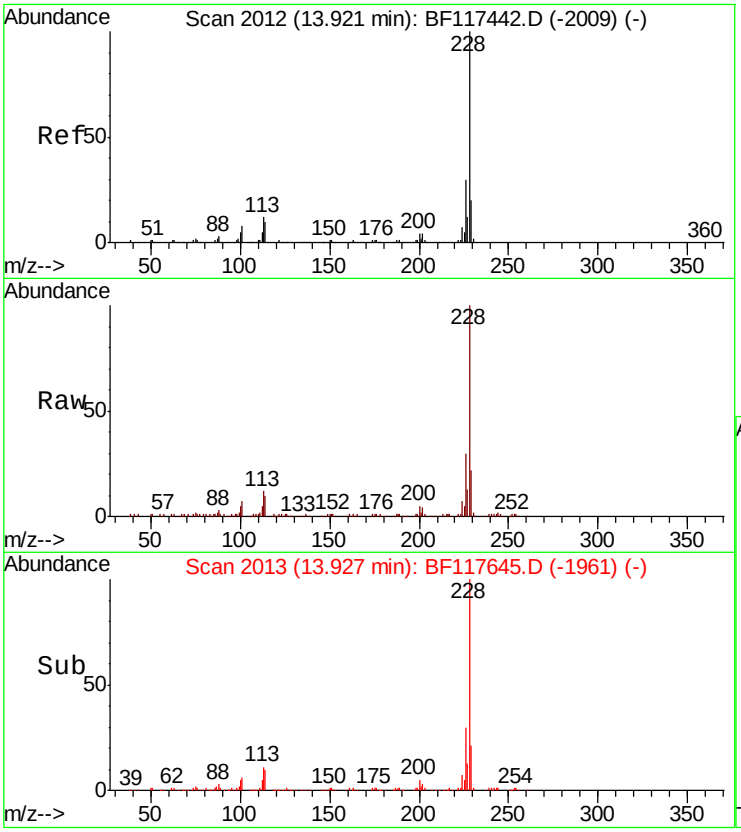


#81
Benzo(a)anthracene
Concen: 29.561 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:228 Resp: 161527

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.0	31.4
229	22.0	16.4	24.6



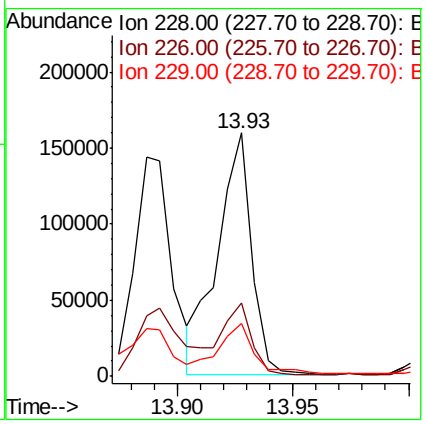


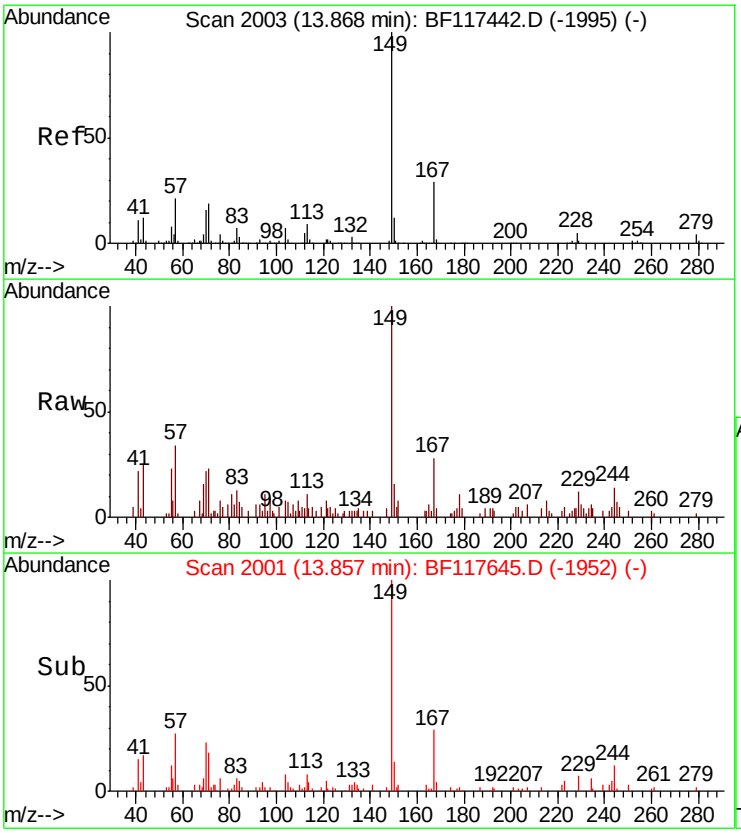
#83
Chrysene
Concen: 30.827 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 165089

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	21.9	15.8	23.6

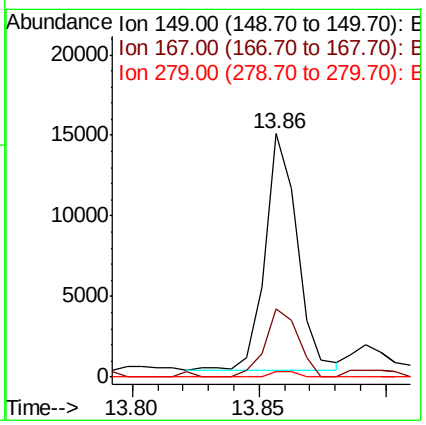


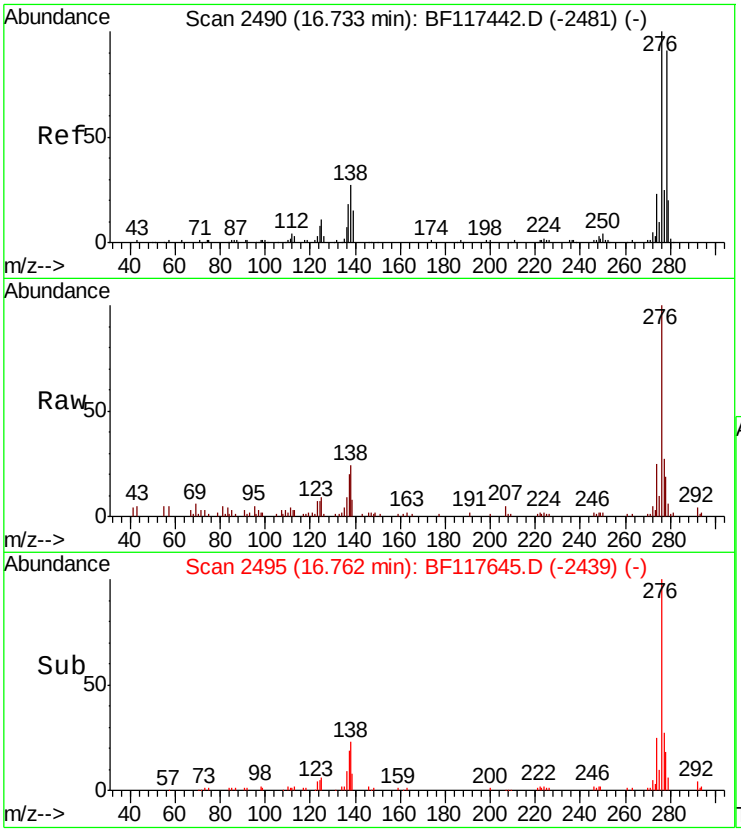


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.647 ng
RT: 13.86 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:149 Resp: 12840

Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.3	34.9
279	2.4	3.2	4.8#



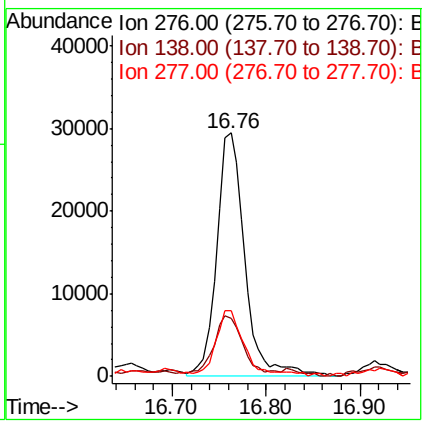


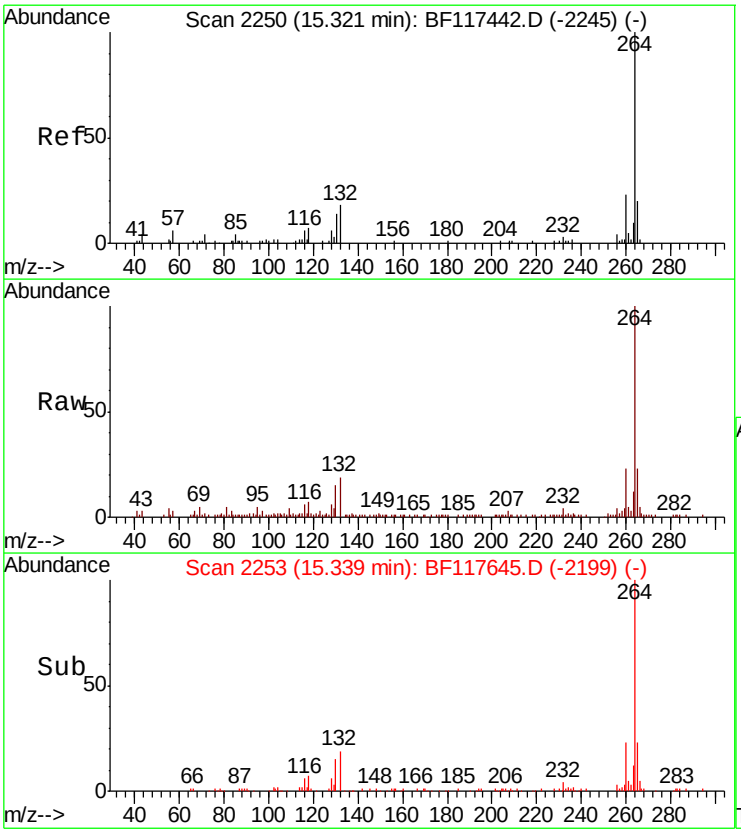
#86
Indeno(1,2,3-cd)pyrene
Concen: 15.407 ng
RT: 16.76 min Scan# 2495
Delta R.T. 0.03 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 61603

Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.8	32.8
277	23.6	20.0	30.0

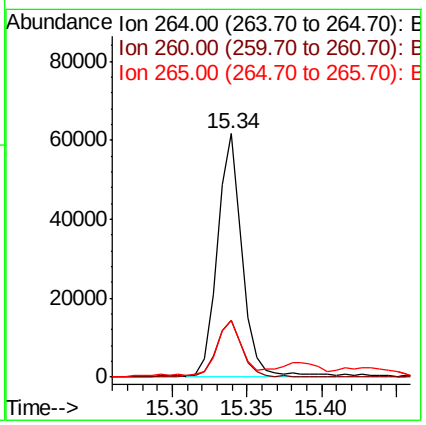


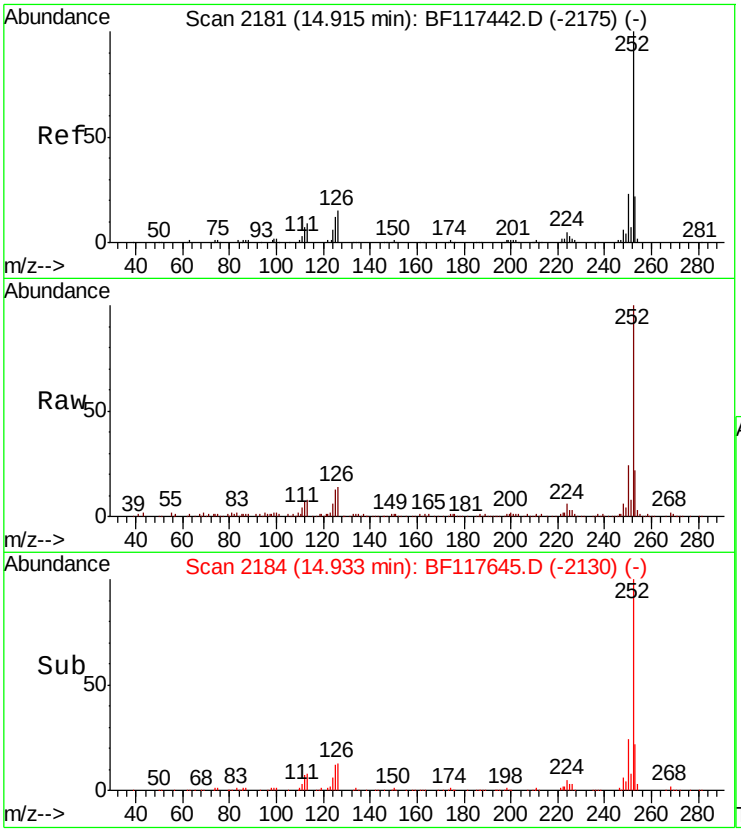


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:264 Resp: 72522

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	23.2	16.1	24.1



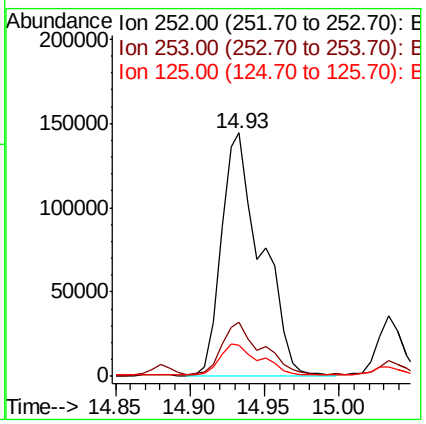


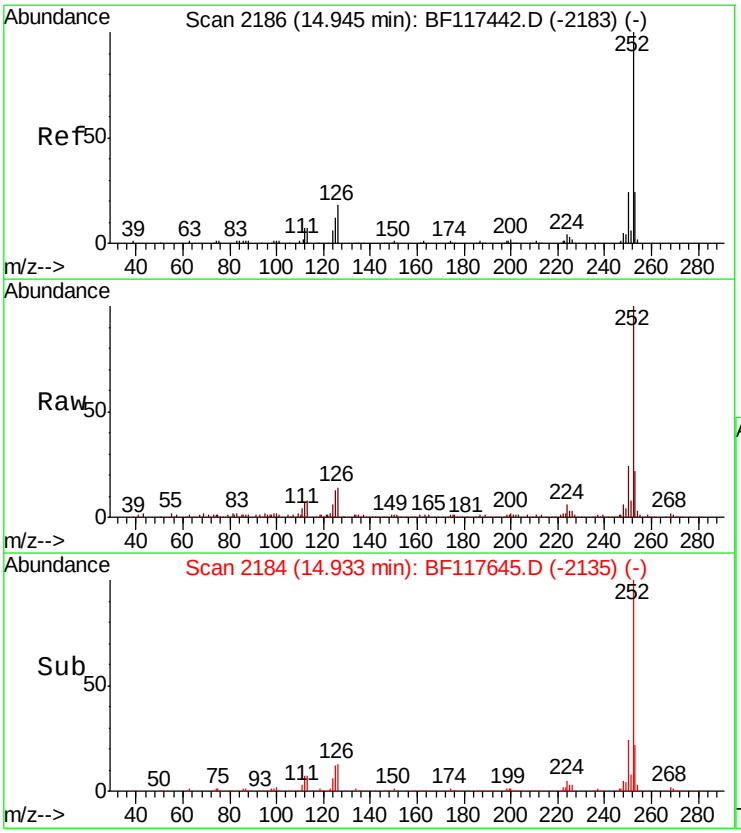
#88
Benzo(b)fluoranthene
Concen: 62.350 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 267016

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.9	9.9	14.9

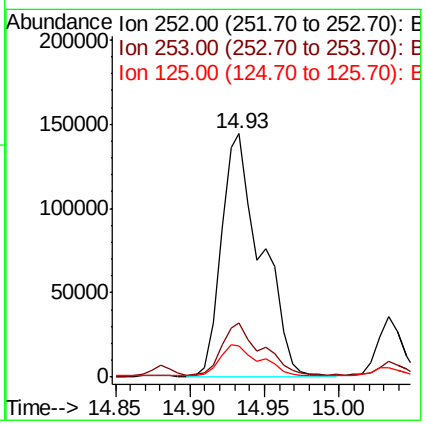


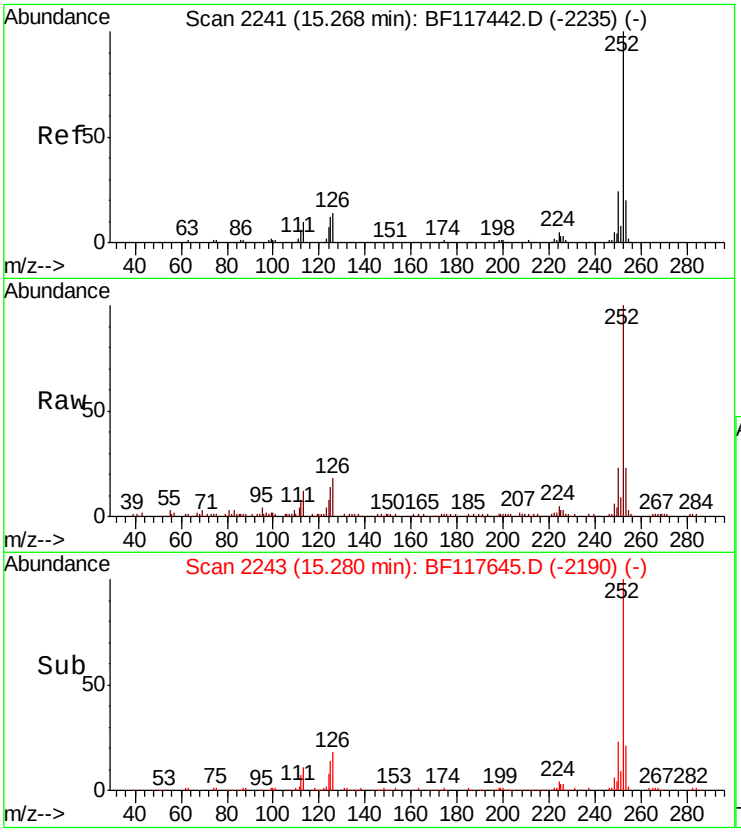


#89
Benzo(k)fluoranthene
Concen: 60.833 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:252 Resp: 267016

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.9	8.9	13.3



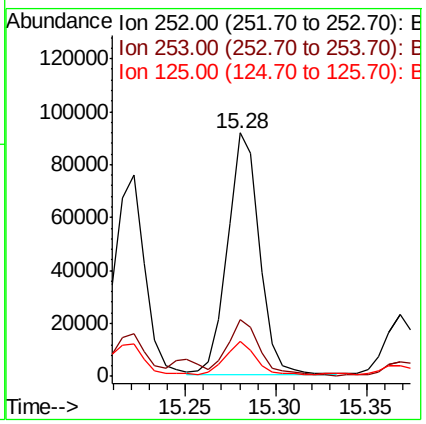


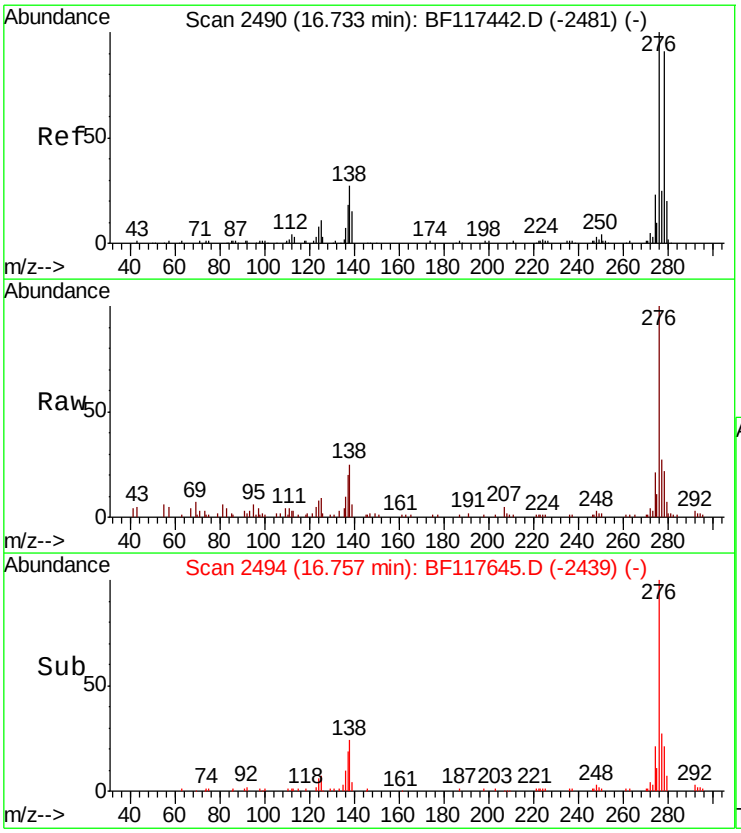
#90
Benzo(a)pyrene
Concen: 28.812 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 112183

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.3	24.5
125	14.3	9.2	13.8#

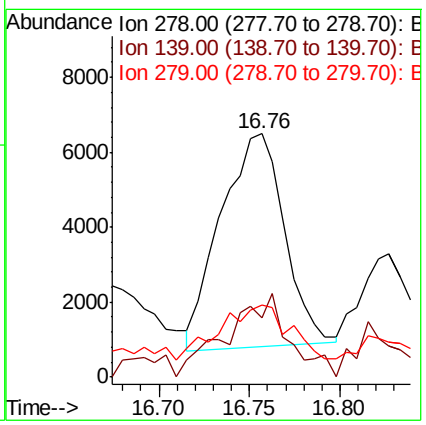


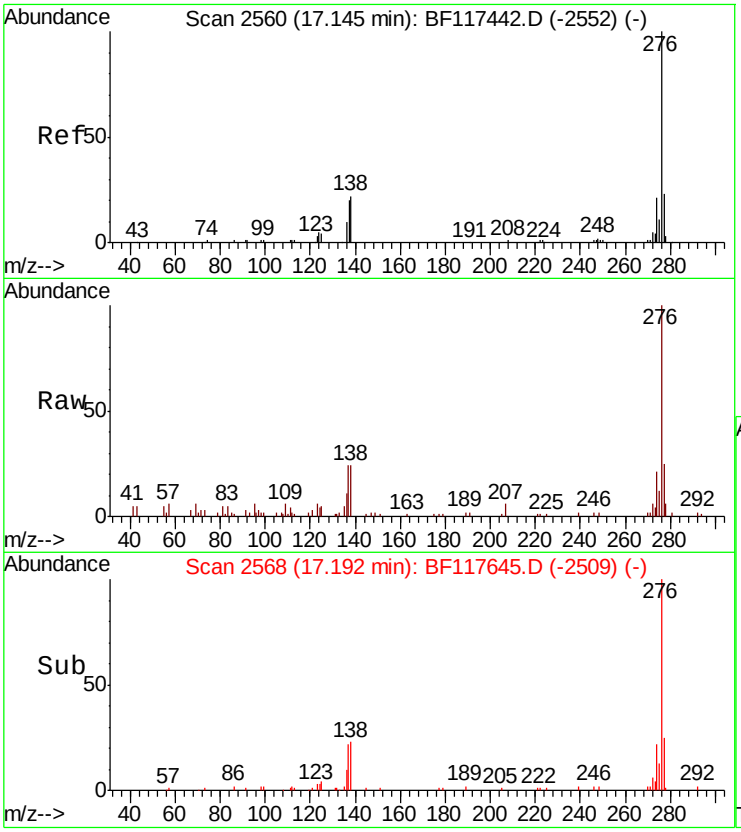


#91
Dibenzo(a,h)anthracene
Concen: 4.124 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Tgt Ion:278 Resp: 13885

Ion	Ratio	Lower	Upper
278	100		
139	24.5	13.4	20.0#
279	29.5	17.8	26.6#





#92
Benzo(g,h,i)perylene
Concen: 16.237 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117645.D
Acq: 31 Oct 2019 4:54

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 51725

Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.4	27.6
138	23.6	17.8	26.6