Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117647.D
Acq On : 31 Oct 2019 5:47
Operator : JU
Sample : K5576-14DL 25X
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 31 07:59:25 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	32725	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	154776	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	73572	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	102854	20.00	ng		0.00
76) Chrysene-d12	13.90	240	74156	20.00	ng		0.00
87) Perylene-d12	15.33	264	65801	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	1904	0.87	ng		0.08
7) Phenol-d6	6.46	99	6757	2.29	ng		0.08
23) Nitrobenzene-d5	7.36	82	3413	1.09	ng		0.06
42) 2,4,6-Tribromophenol	10.57	330	1242	1.95	ng		0.01
45) 2-Fluorobiphenyl	9.09	172	12398	2.37	ng		0.00
79) Terphenyl-d14	12.83	244	10557	2.32	ng		0.00
Target Compounds							Qvalue
49) Acenaphthylene	9.63	152	21119	3.131	ng		100
51) 2,6-Dinitrotoluene	9.76	165	9113	8.326	ng	#	22
56) 4-Nitrophenol	9.99	139	240	4.503	ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	9113	6.263	ng	#	12
71) Phenanthrene	11.27	178	35422	5.931	ng		99
72) Anthracene	11.33	178	26825	4.377	ng		97
75) Fluoranthene	12.47	202	143995	24.084	ng		98
78) Pyrene	12.70	202	125739	19.740	ng		98
80) Butylbenzylphthalate	13.30	149	9652	3.045	ng		99
81) Benzo(a)anthracene	13.89	228	86588	17.310	ng		97
83) Chrysene	13.92	228	77730	15.856	ng		98
86) Indeno(1,2,3-cd)pyrene	16.76	276	20270	5.538	ng		95
88) Benzo(b)fluoranthene	14.93	252	118606	30.524	ng		99
89) Benzo(k)fluoranthene	14.93	252	118606	29.782	ng		98
90) Benzo(a)pyrene	15.28	252	43553	12.328	ng		95
91) Dibenzo(a,h)anthracene	16.75	278	6366	2.084	ng	#	87
92) Benzo(g,h,i)perylene	17.19	276	16620	5.750	ng	#	90

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

Quantitation Report (Not Reviewed)

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Data File : BF117647.D
Acq On : 31 Oct 2019 5:47
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ALS Vial : 32 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 18 18:53:31 2019
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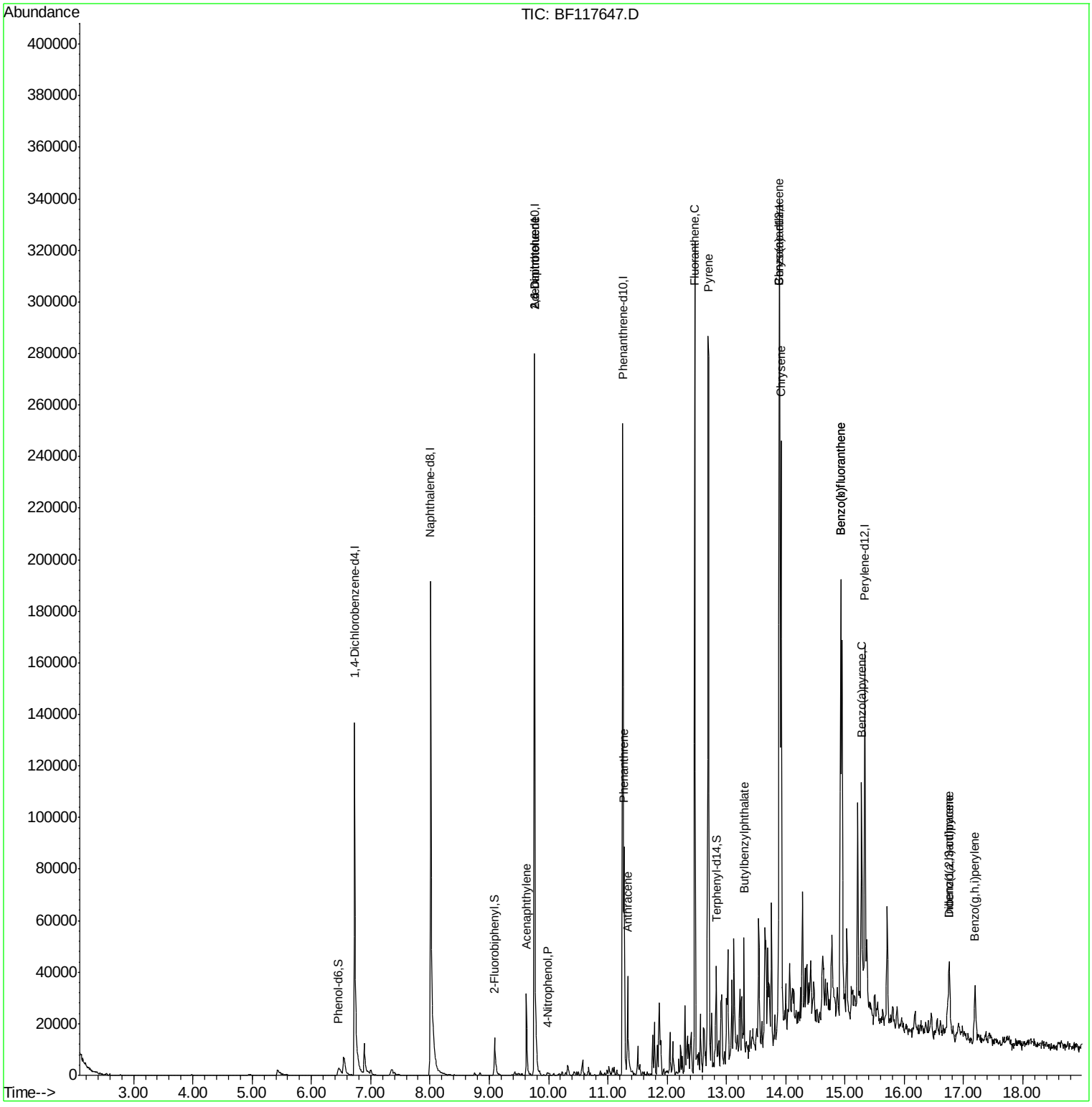
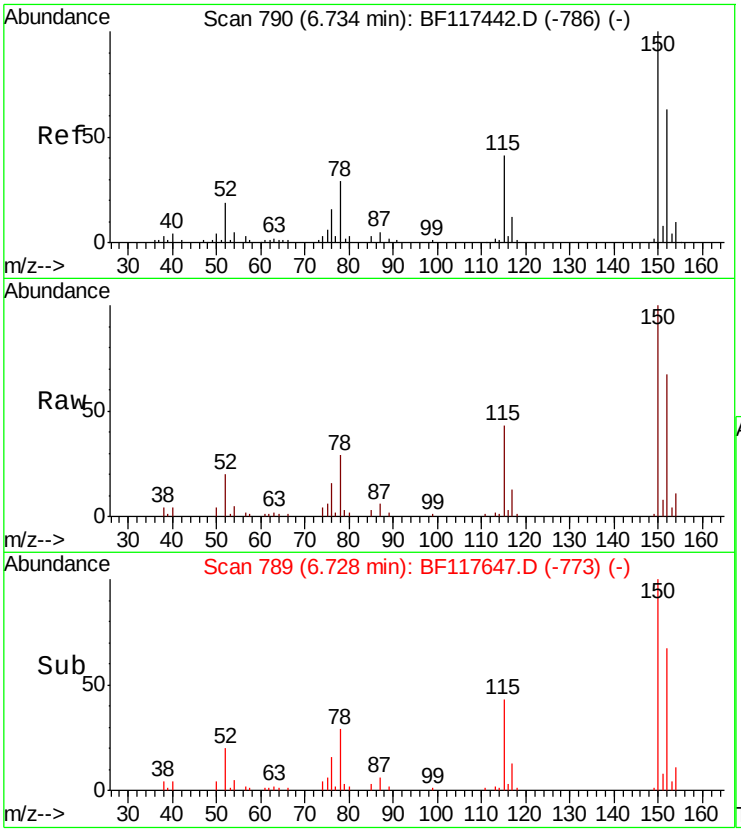


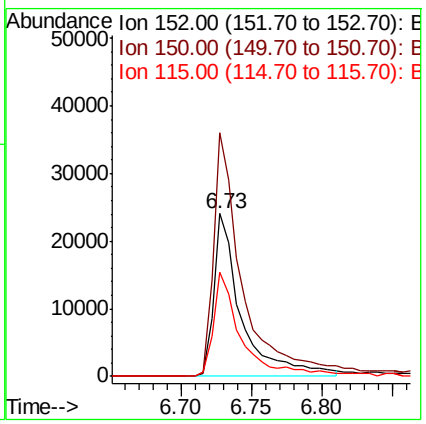


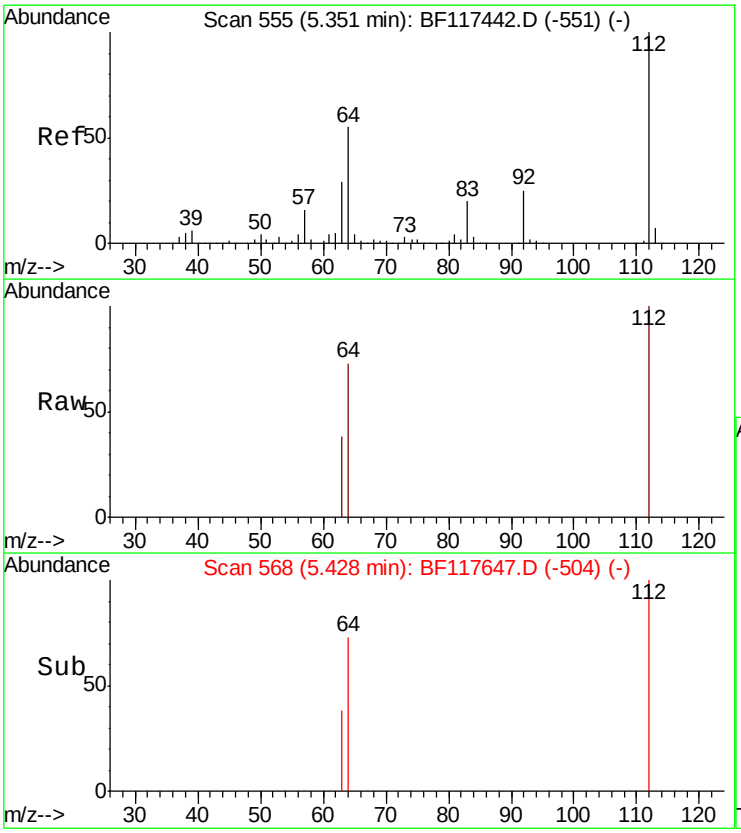
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 32725

Ion	Ratio	Lower	Upper
152	100		
150	149.6	126.8	190.2
115	64.1	51.6	77.4

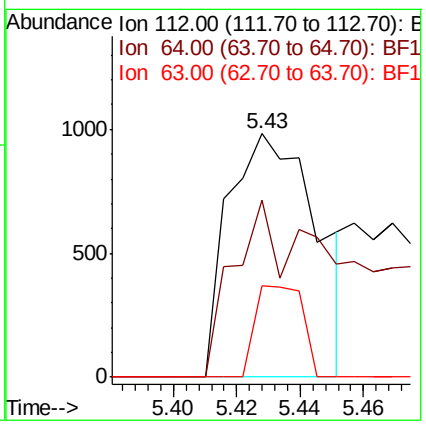


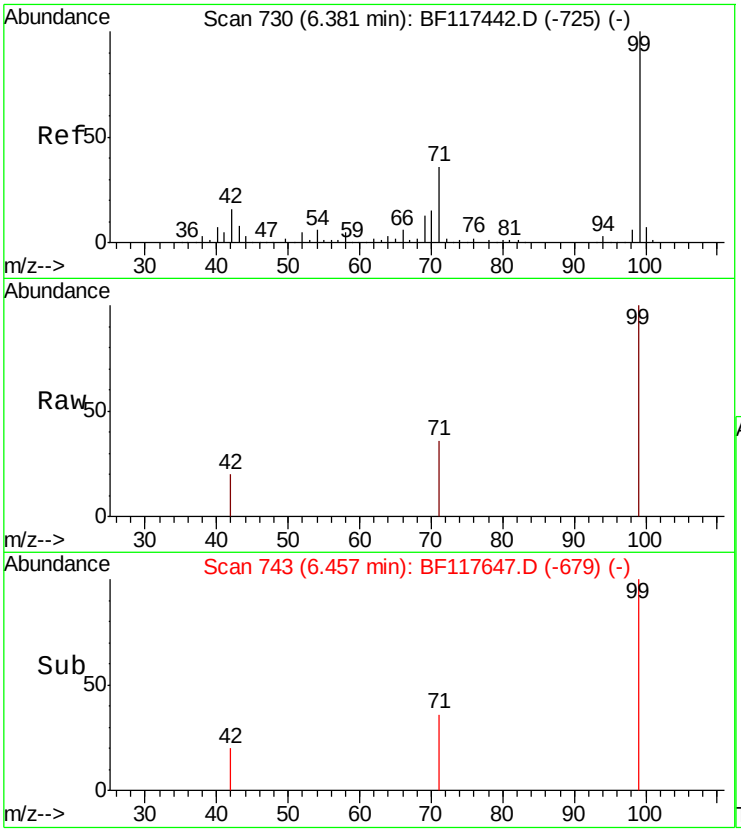


#5
2-Fluorophenol
Concen: 0.866 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.08 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:112 Resp: 1904

Ion	Ratio	Lower	Upper
112	100		
64	72.7	44.1	66.1#
63	37.5	23.4	35.2#



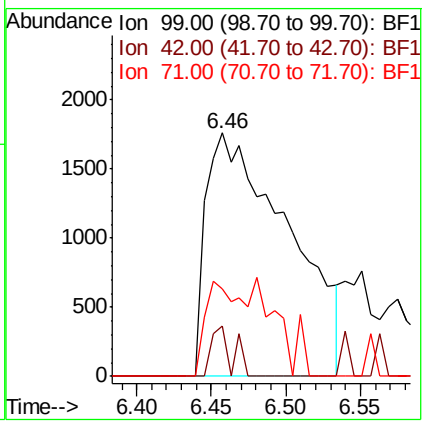


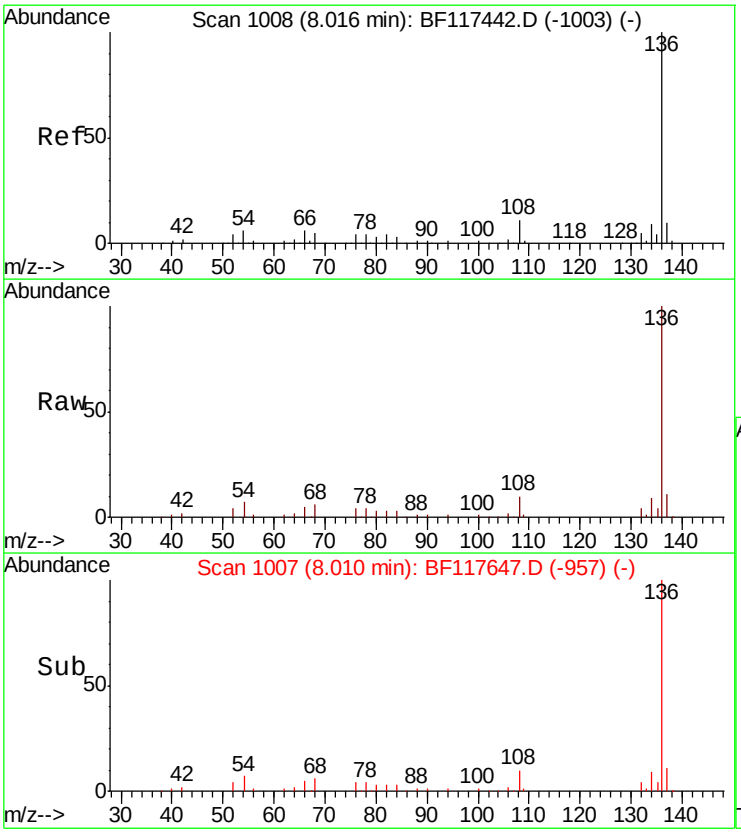
#7
Phenol-d6
Concen: 2.287 ng
RT: 6.46 min Scan# 743
Delta R.T. 0.08 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 6757

Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	35.8	28.6	43.0

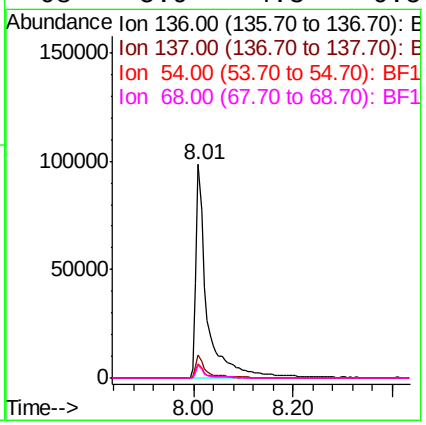


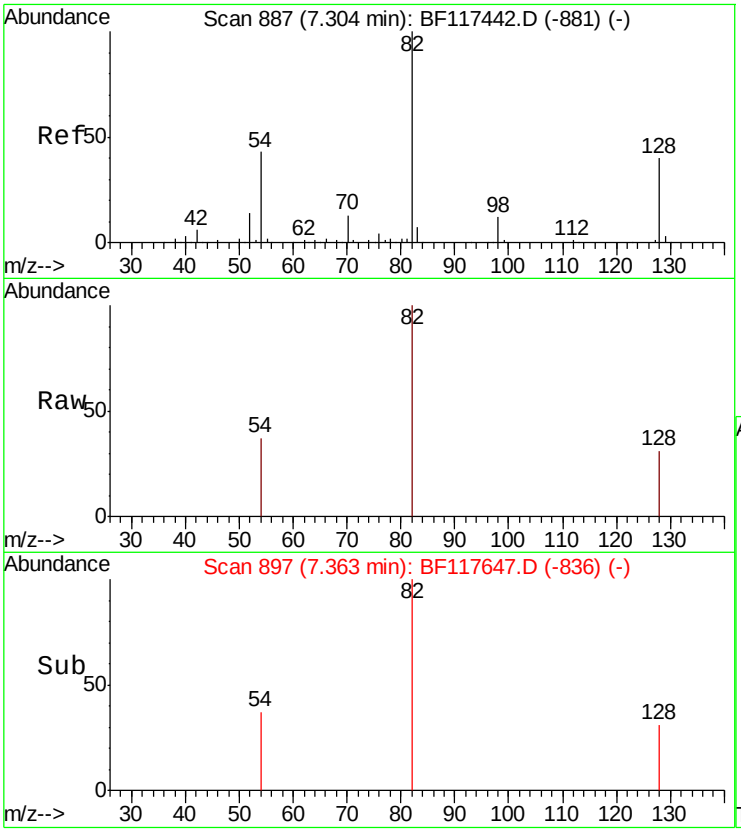


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:136 Resp: 154776

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	6.5	4.5	6.7
68	5.9	4.3	6.5



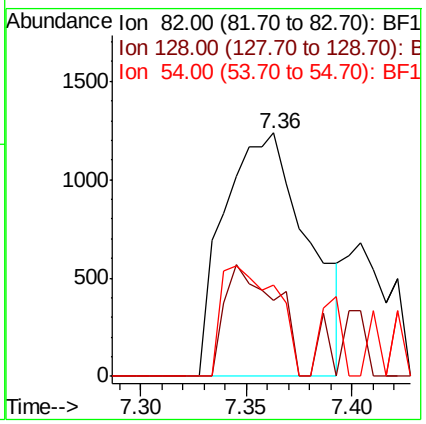


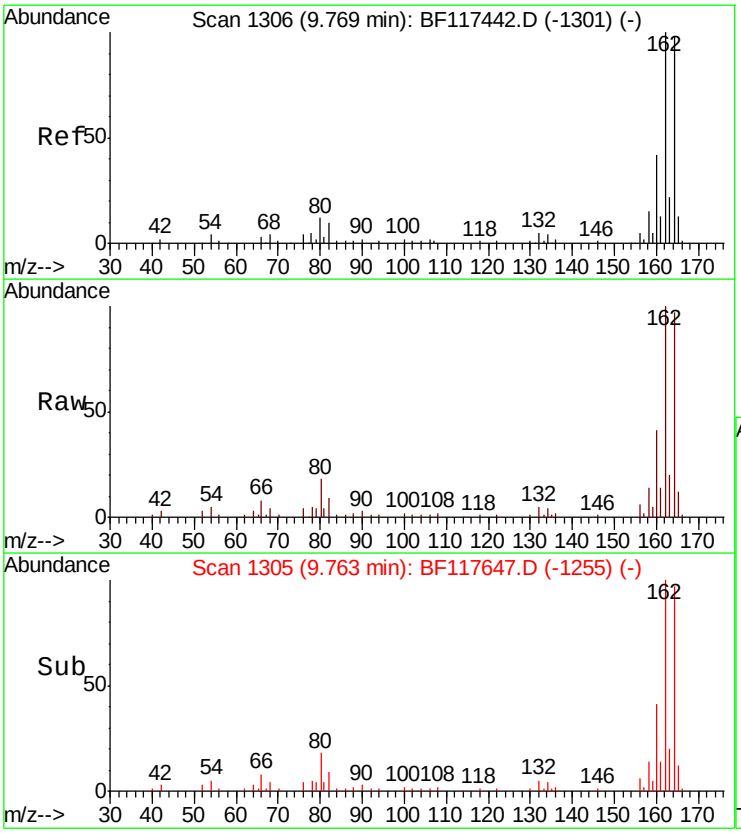
#23
Nitrobenzene-d5
Concen: 1.089 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.06 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 3413

Ion	Ratio	Lower	Upper
82	100		
128	31.0	32.2	48.2#
54	37.5	34.2	51.2

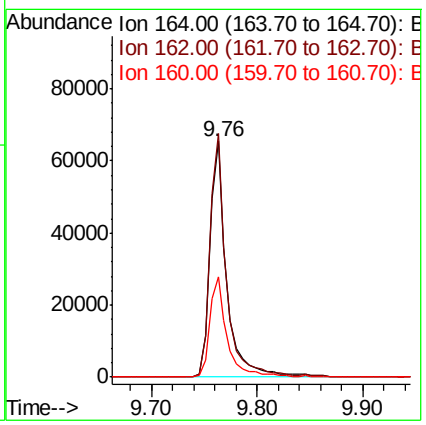


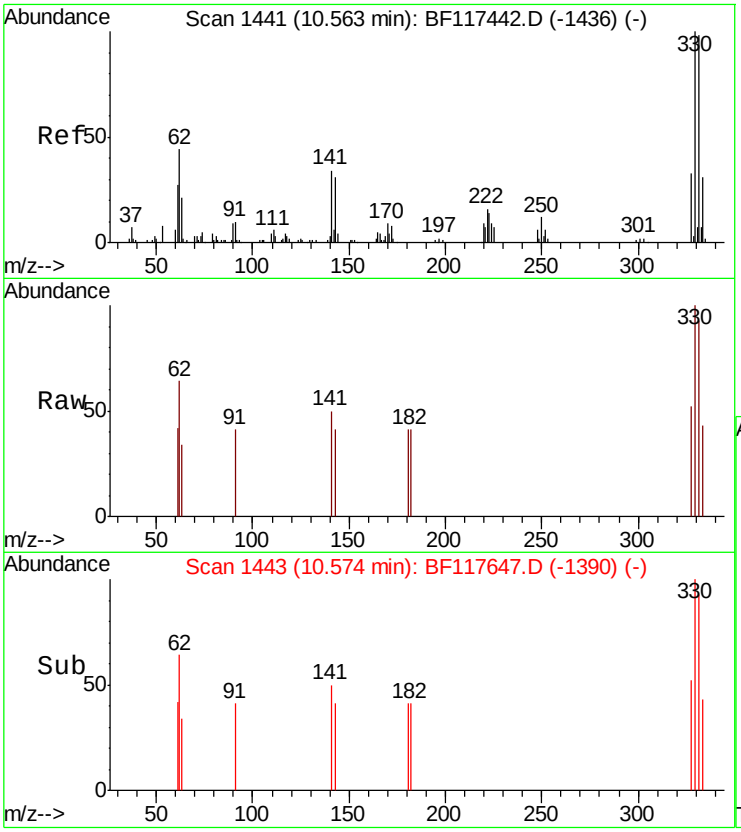


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:164 Resp: 73572

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.8	122.6
160	42.8	34.4	51.6



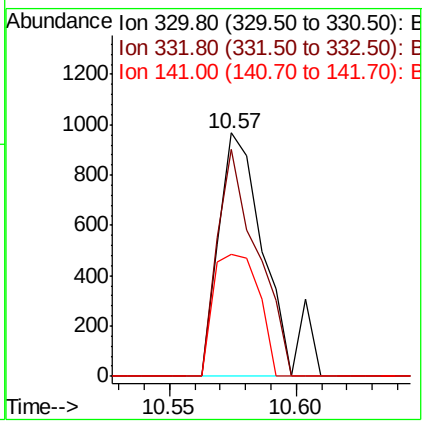


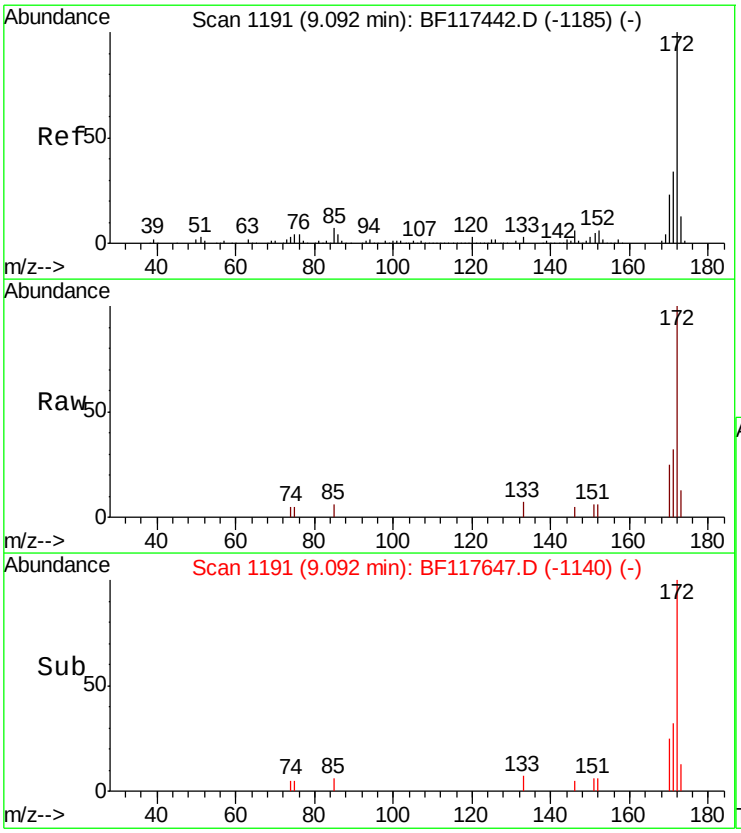
#42
2,4,6-Tribromophenol
Concen: 1.951 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 1242

Ion	Ratio	Lower	Upper
330	100		
332	79.4	78.5	117.7
141	49.0	37.0	55.6

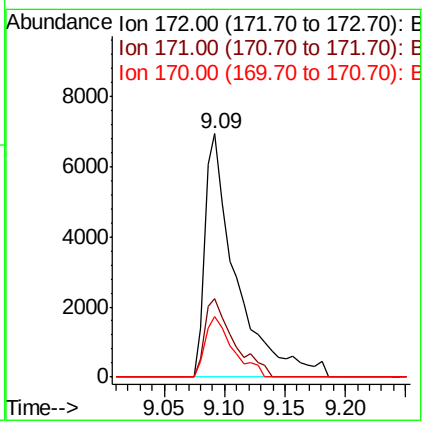


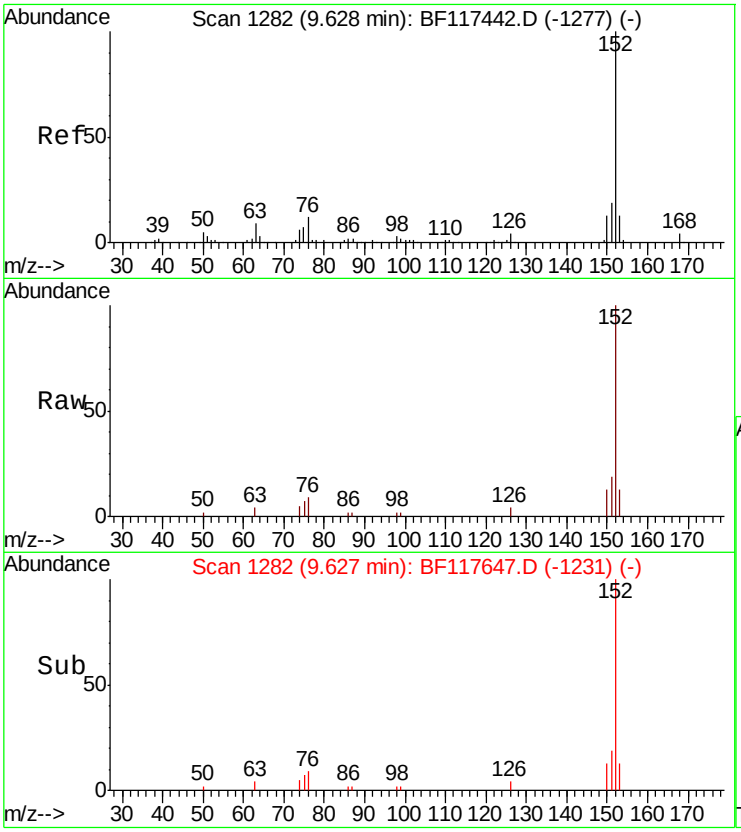


#45
2-Fluorobiphenyl
Concen: 2.374 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:172 Resp: 12398

Ion	Ratio	Lower	Upper
172	100		
171	32.0	27.5	41.3
170	24.8	18.6	27.8



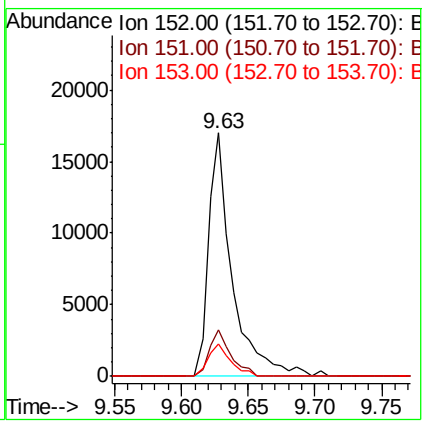


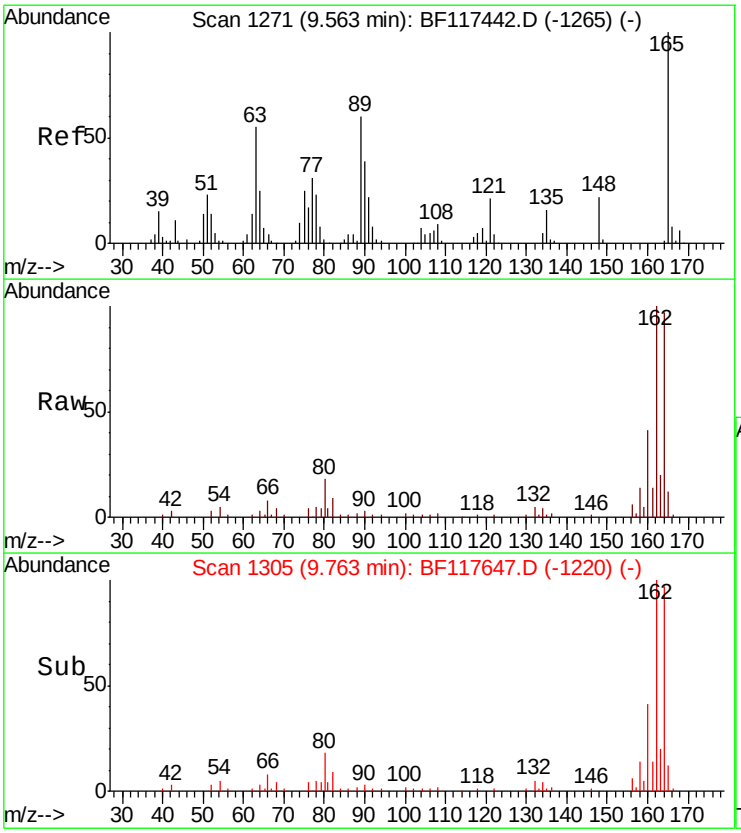
#49
Acenaphthylene
Concen: 3.131 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 21119

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0
153	13.3	10.3	15.5

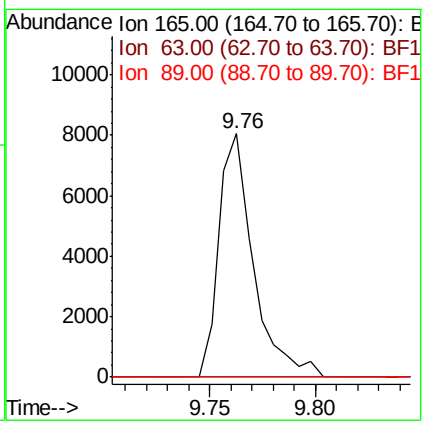


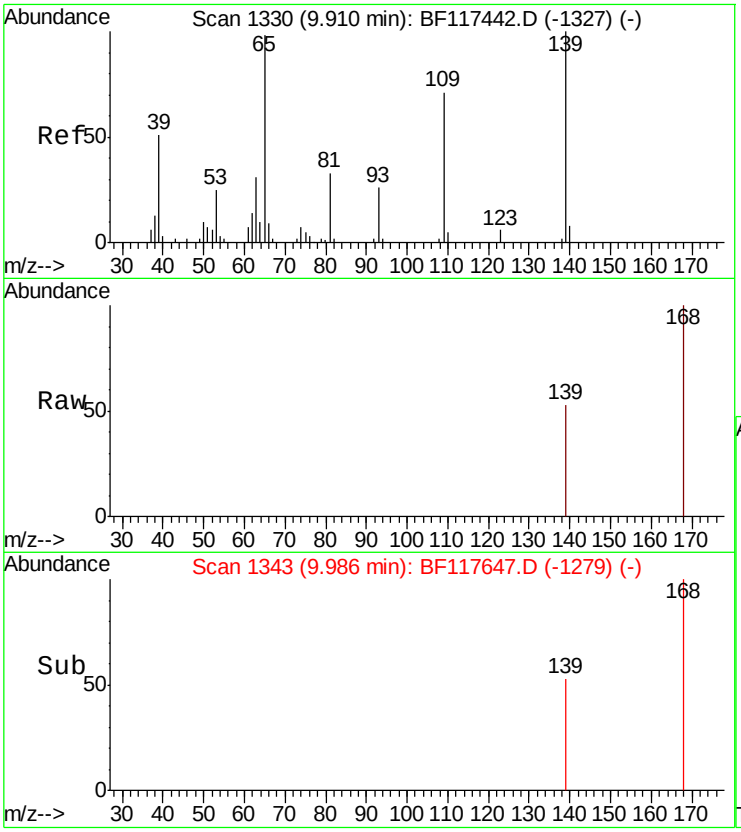


#51
2,6-Dinitrotoluene
Concen: 8.326 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:165 Resp: 9113

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



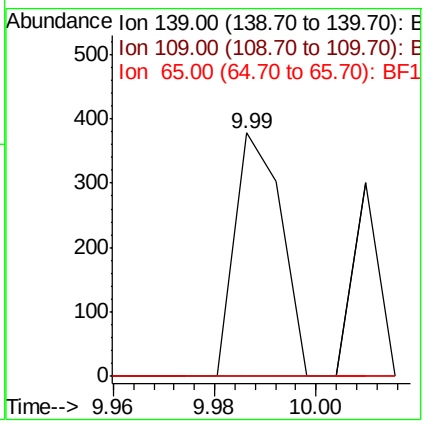


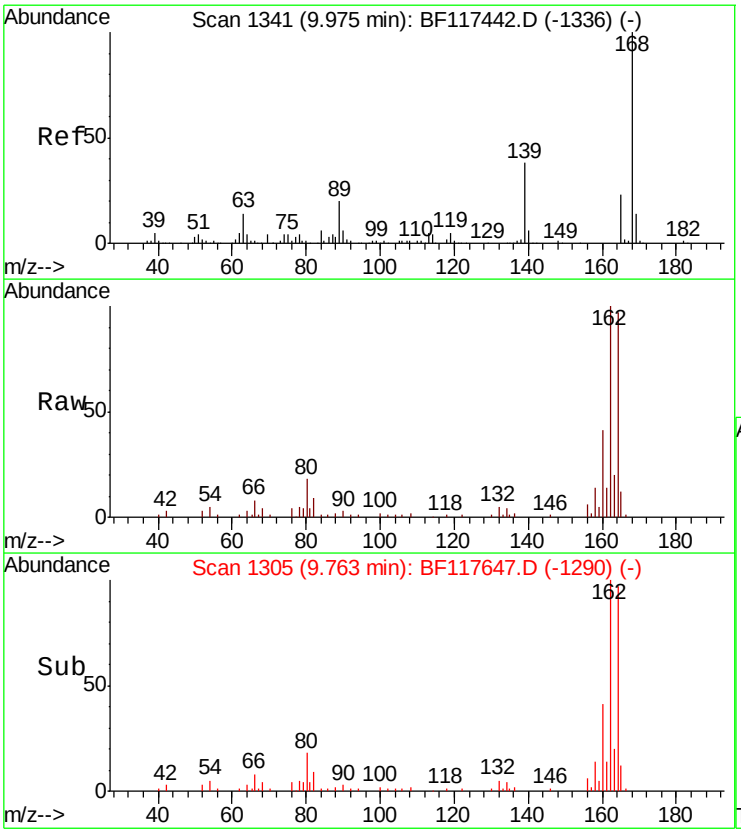
#56
4-Nitrophenol
Concen: 4.503 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.08 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 240

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

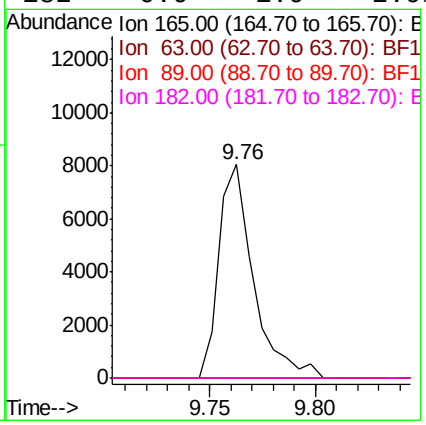


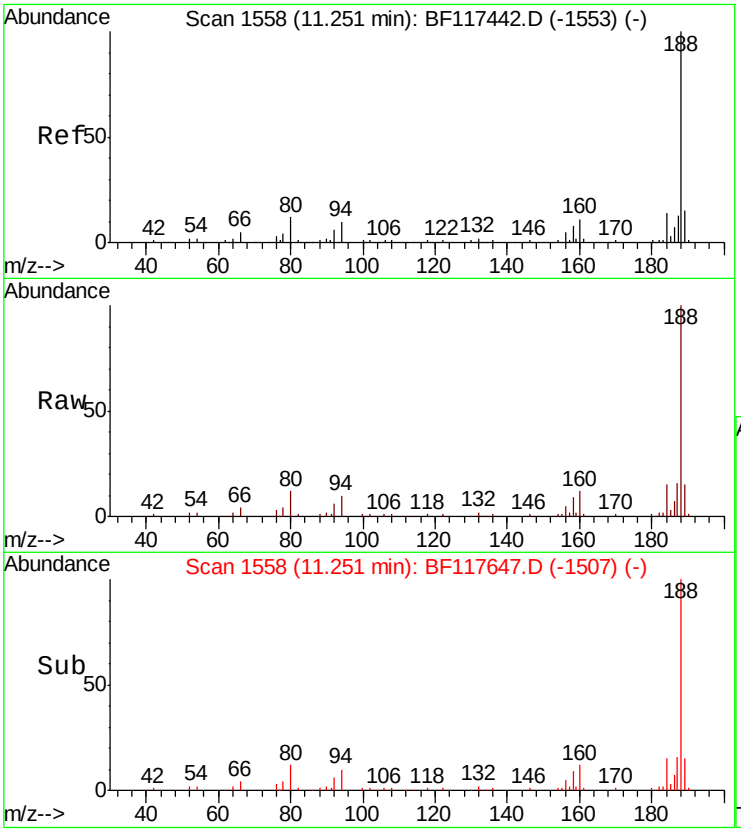


#57
2,4-Dinitrotoluene
Concen: 6.263 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:165 Resp: 9113

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#



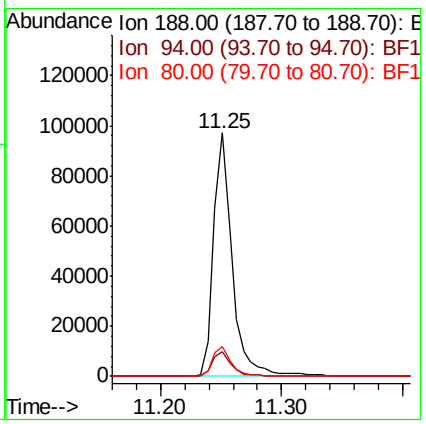


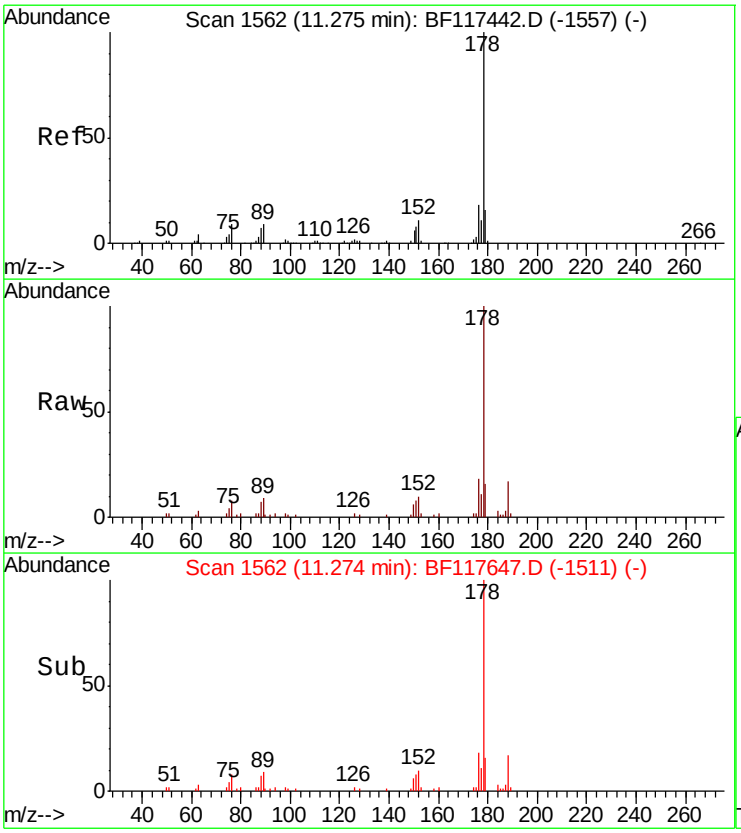
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 102854

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	12.1	9.5	14.3

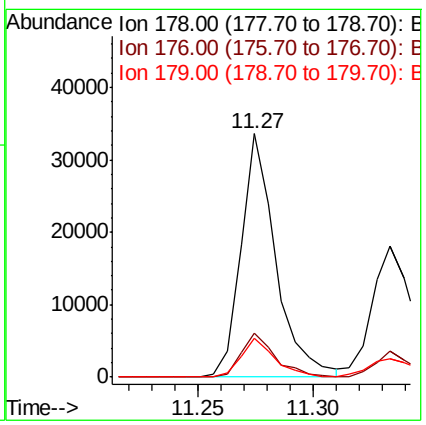


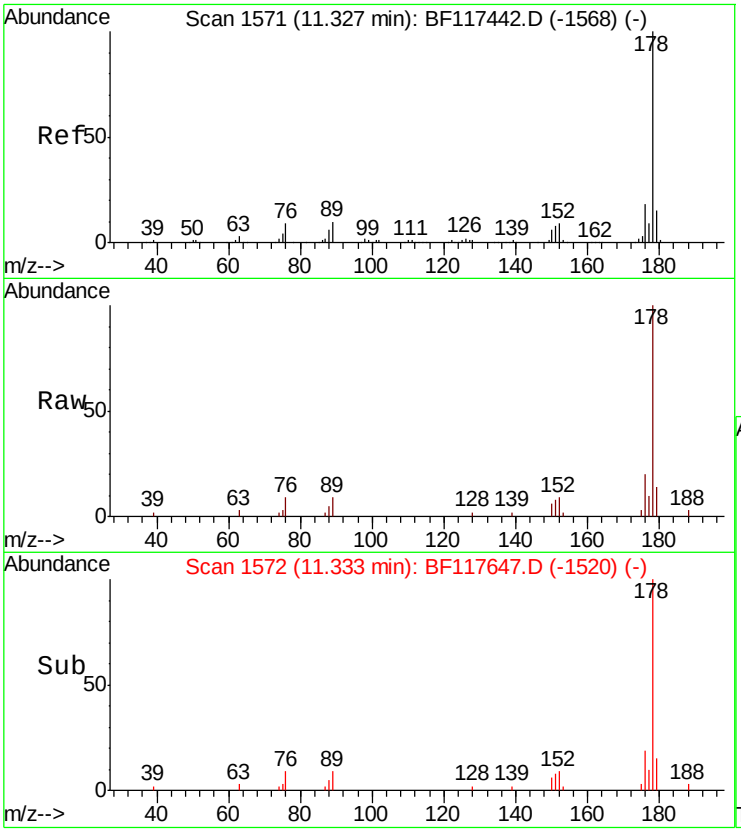


#71
Phenanthrene
Concen: 5.931 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:178 Resp: 35422

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	16.0	12.6	19.0



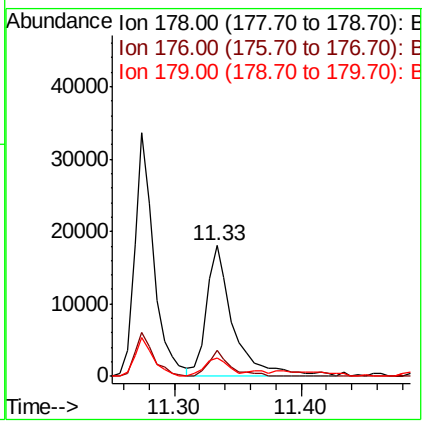


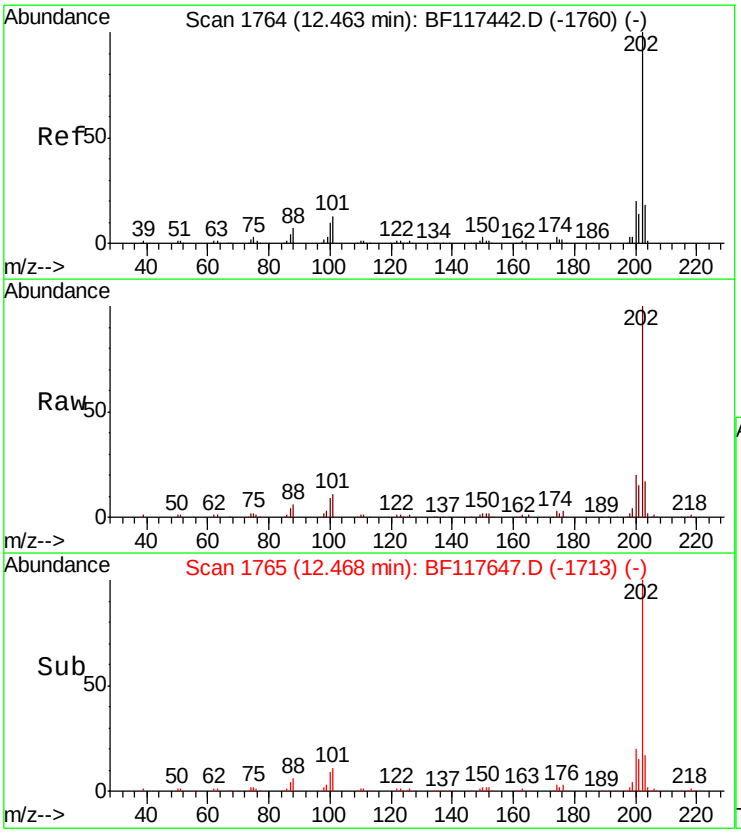
#72
Anthracene
Concen: 4.377 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 26825

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.7	22.1
179	14.4	12.2	18.2

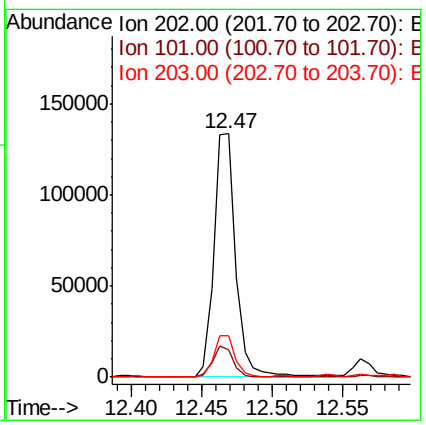


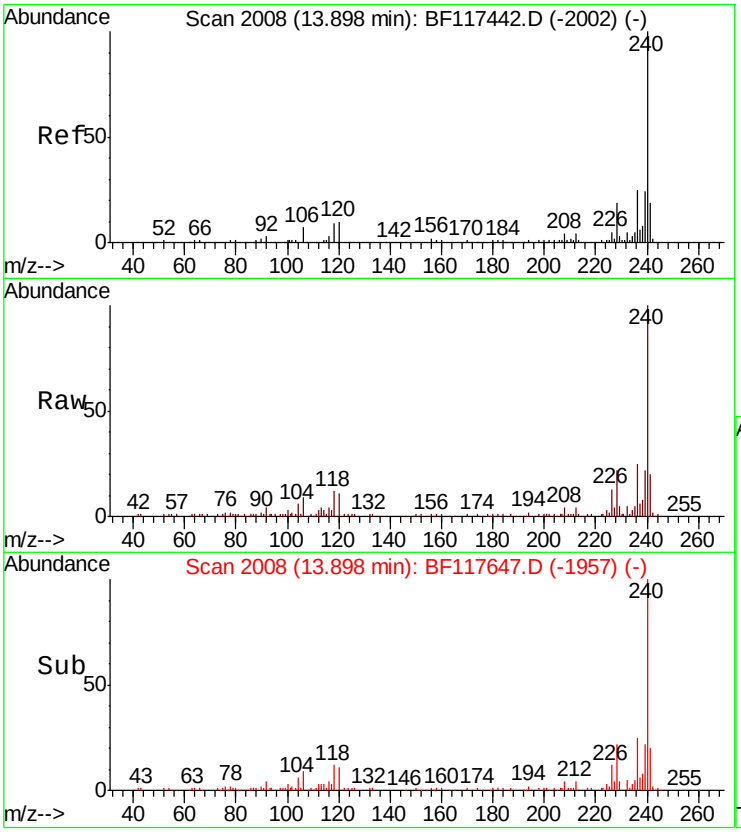


#75
Fluoranthene
Concen: 24.084 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:202 Resp: 143995

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	32.7
203	17.2	0.0	37.6



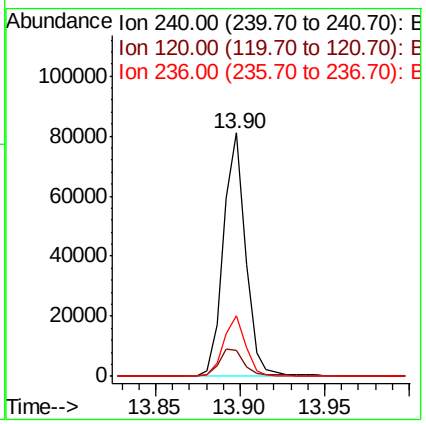


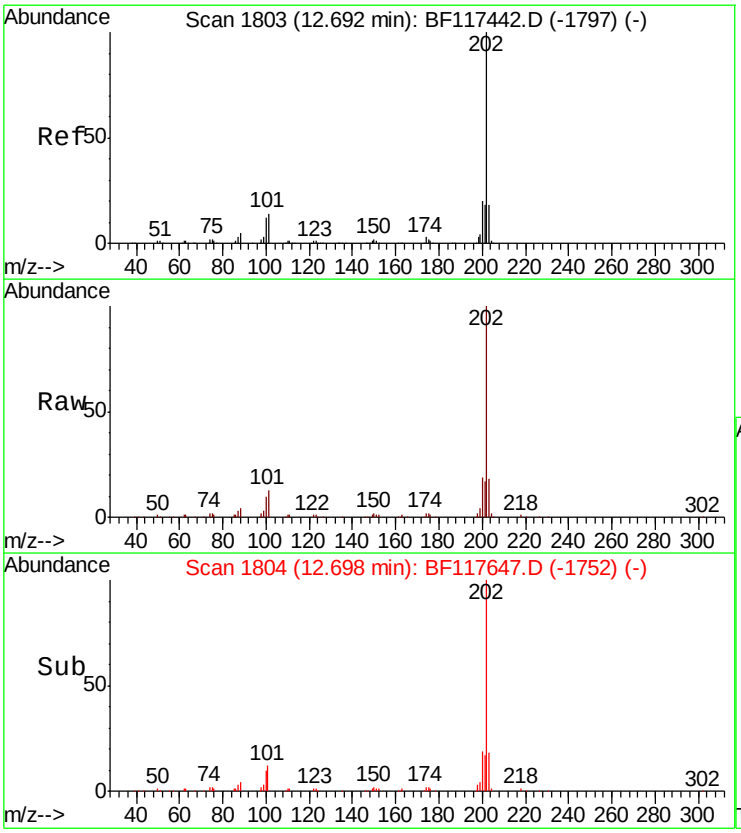
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 74156

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.4	12.6
236	25.1	20.0	30.0

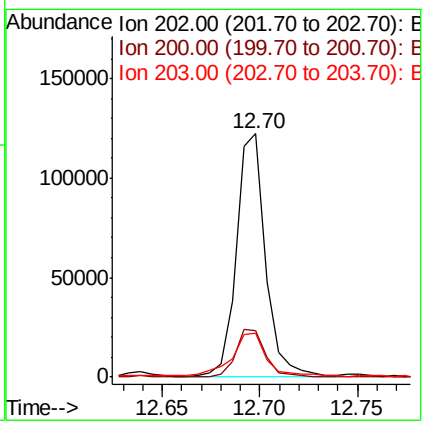


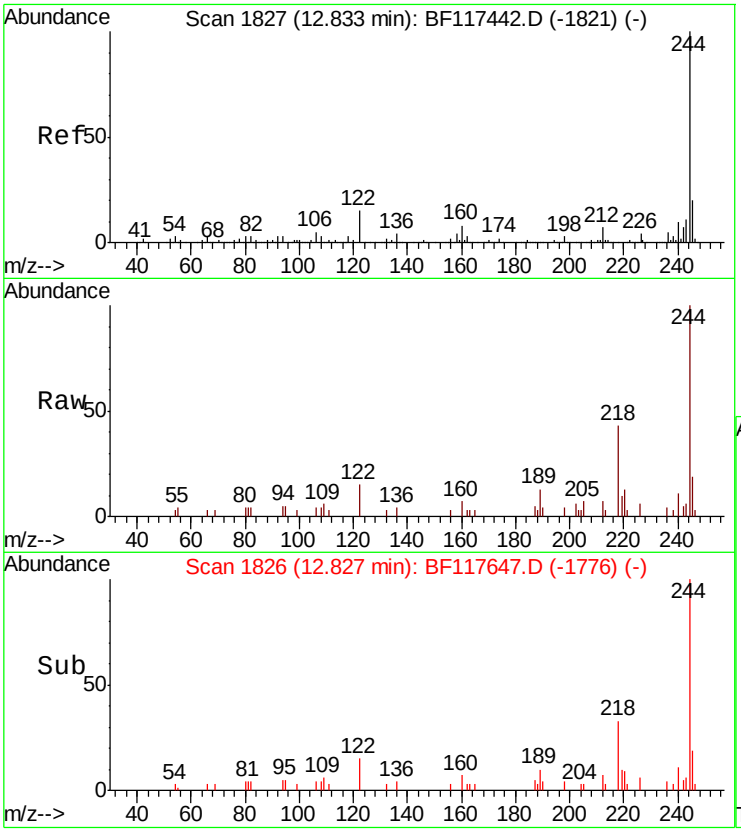


#78
Pyrene
Concen: 19.740 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:202 Resp: 125739

Ion	Ratio	Lower	Upper
202	100		
200	19.2	16.2	24.2
203	18.3	14.0	21.0



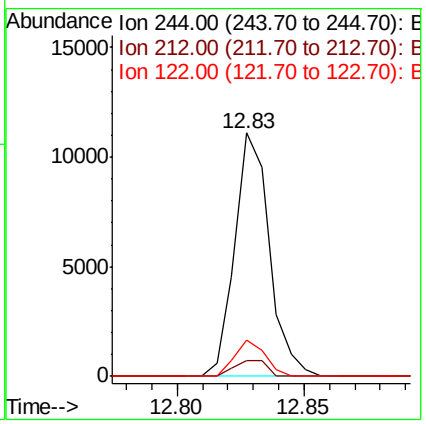


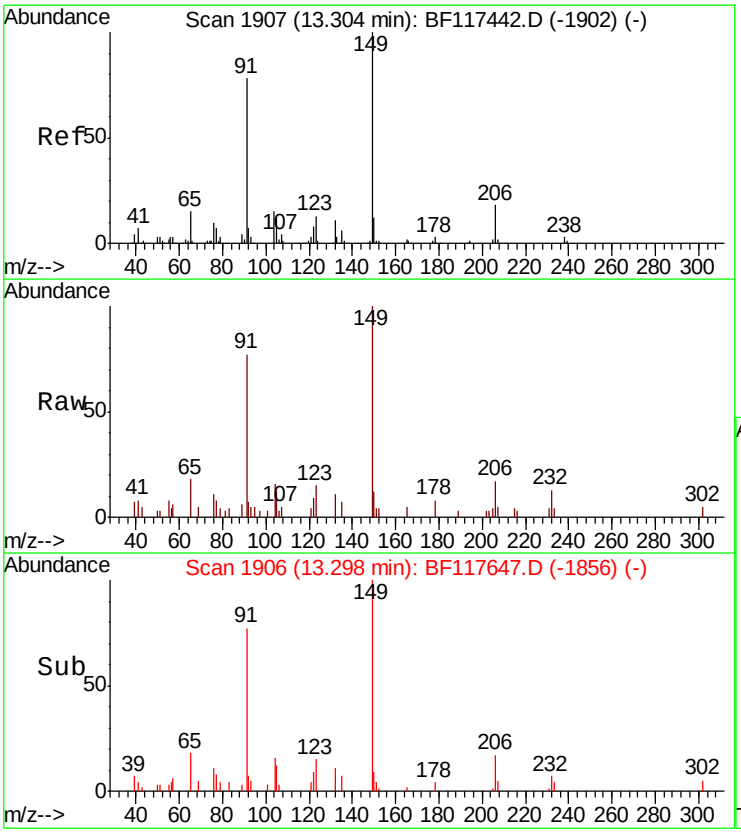
#79
Terphenyl-d14
Concen: 2.322 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 10557

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.6
122	15.1	11.8	17.8

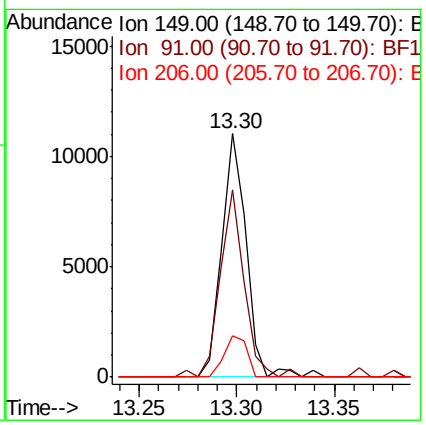


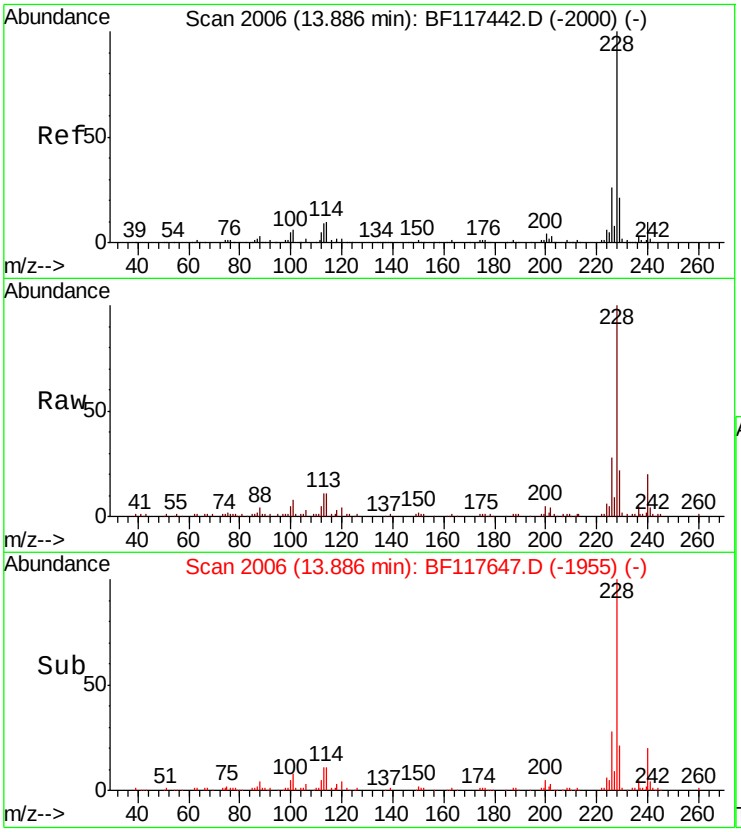


#80
Butylbenzylphthalate
Concen: 3.045 ng
RT: 13.30 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:149 Resp: 9652

Ion	Ratio	Lower	Upper
149	100		
91	76.9	62.1	93.1
206	17.2	14.3	21.5



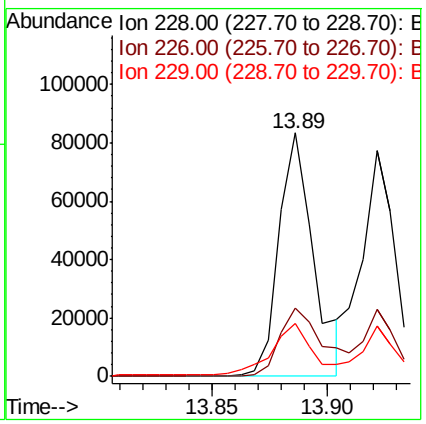


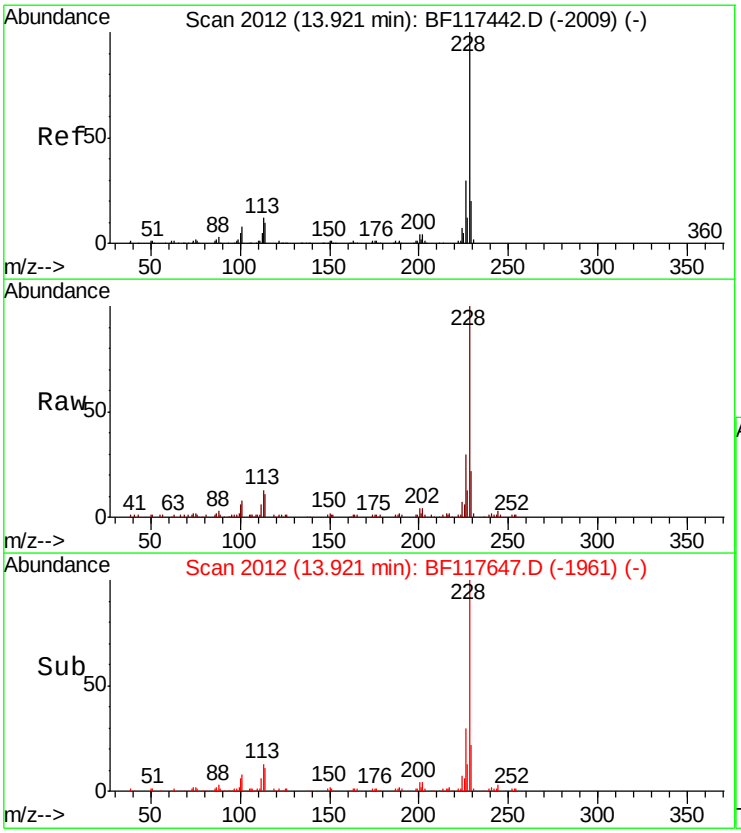
#81
Benzo(a)anthracene
Concen: 17.310 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 86588

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.0	31.4
229	21.6	16.4	24.6

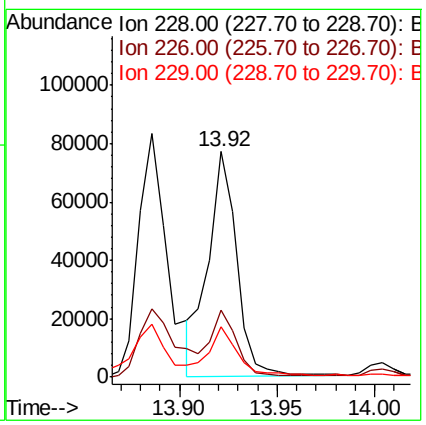


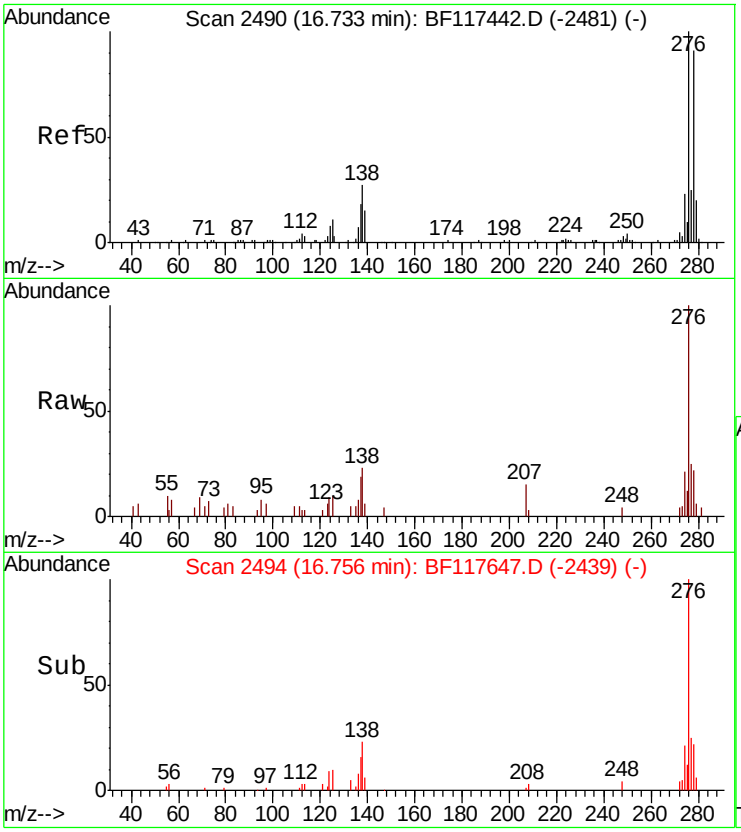


#83
Chrysene
Concen: 15.856 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:228 Resp: 77730

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.9	35.9
229	22.1	15.8	23.6



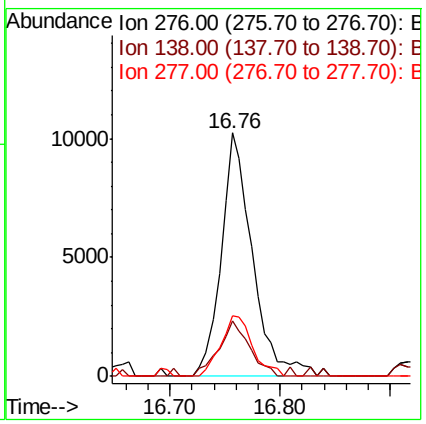


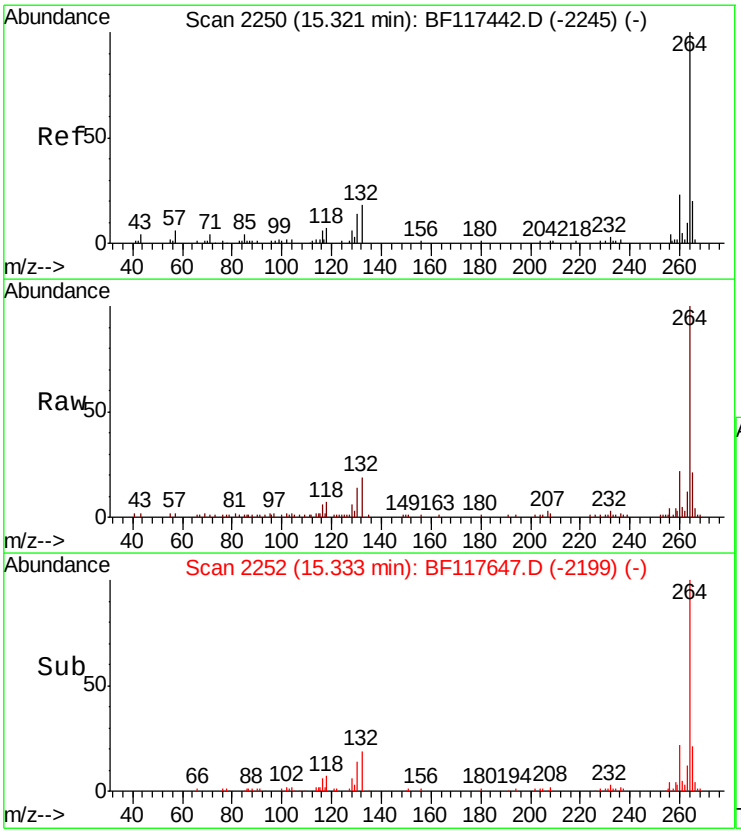
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.538 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 20270

Ion	Ratio	Lower	Upper
276	100		
138	22.2	21.8	32.8
277	25.1	20.0	30.0

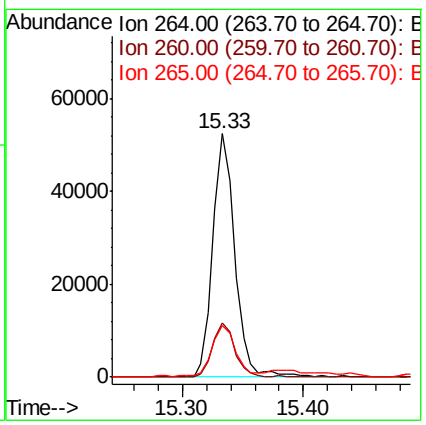


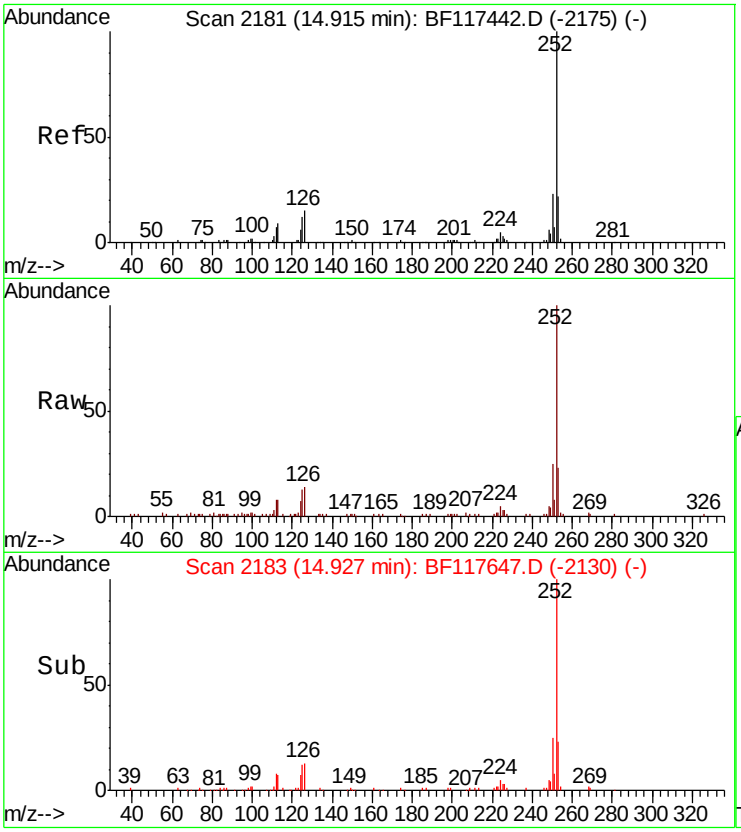


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:264 Resp: 65801

Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	21.4	16.1	24.1



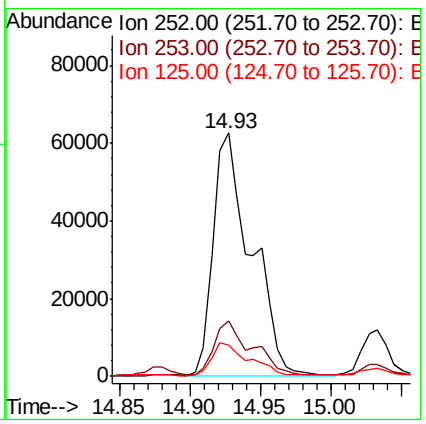


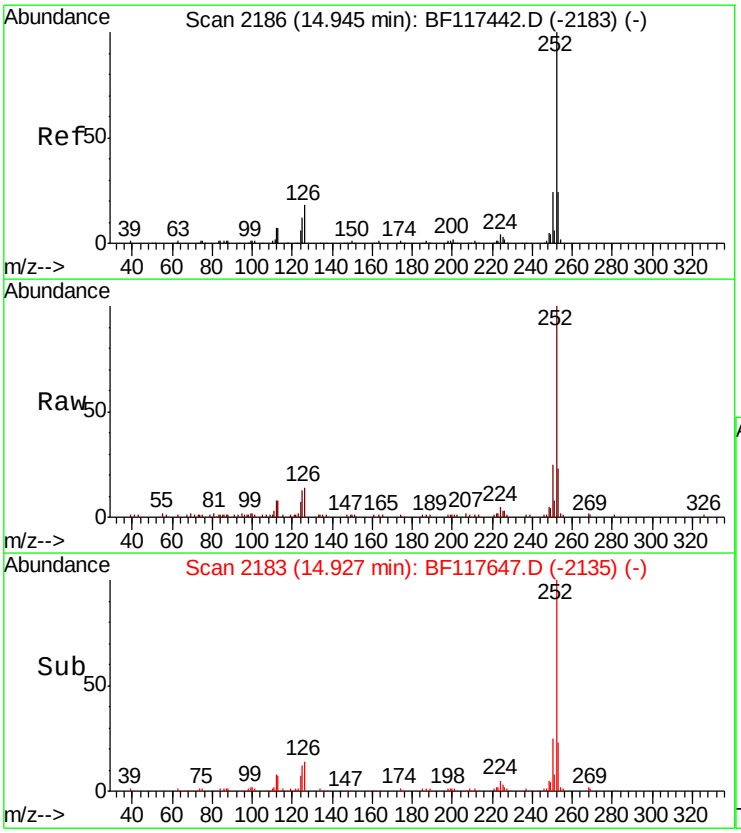
#88
Benzo(b)fluoranthene
Concen: 30.524 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 118606

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	12.8	9.9	14.9

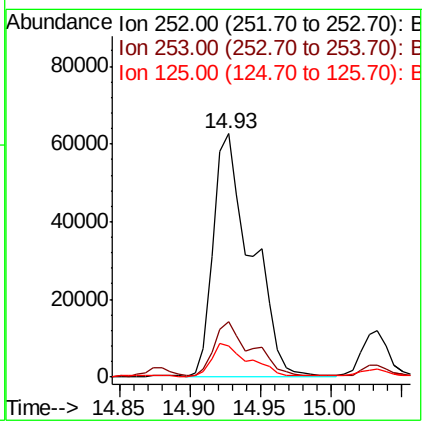


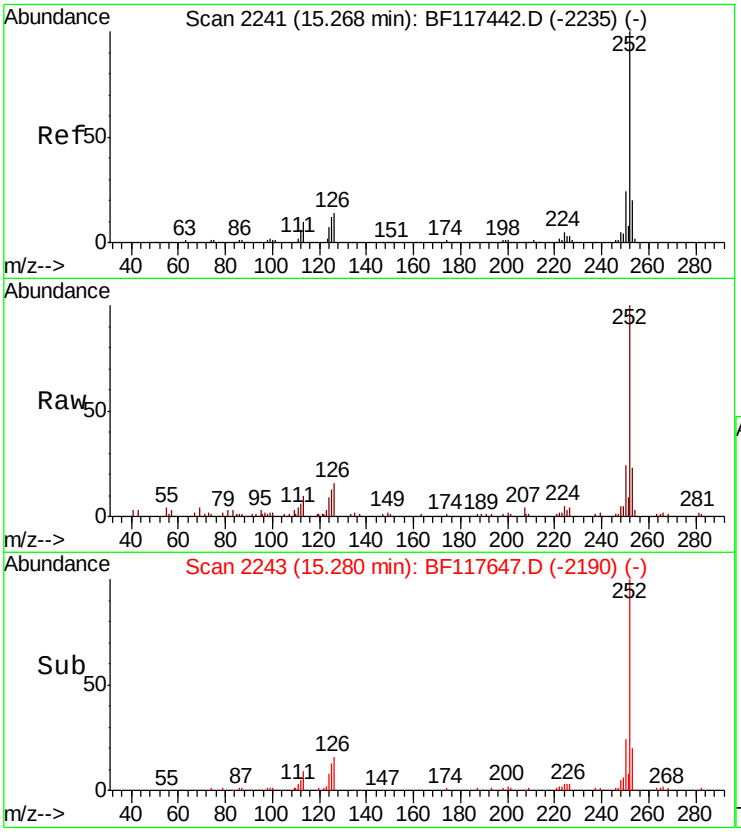


#89
Benzo(k)fluoranthene
Concen: 29.782 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:252 Resp: 118606

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	12.8	8.9	13.3



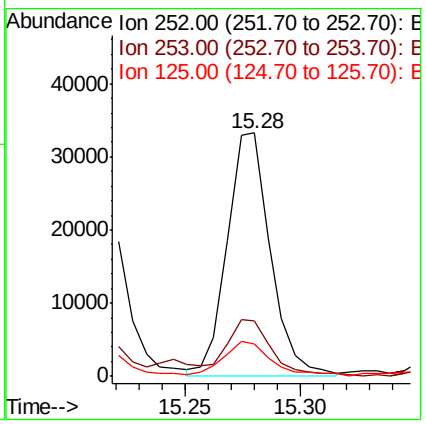


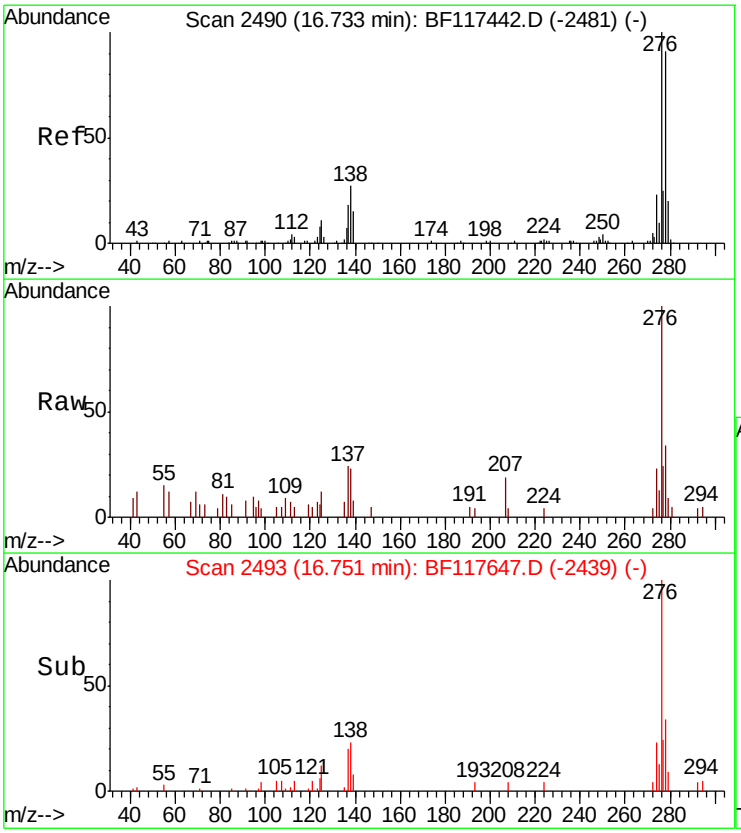
#90
Benzo(a)pyrene
Concen: 12.328 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 43553

Ion	Ratio	Lower	Upper
252	100		
253	22.9	16.3	24.5
125	13.4	9.2	13.8

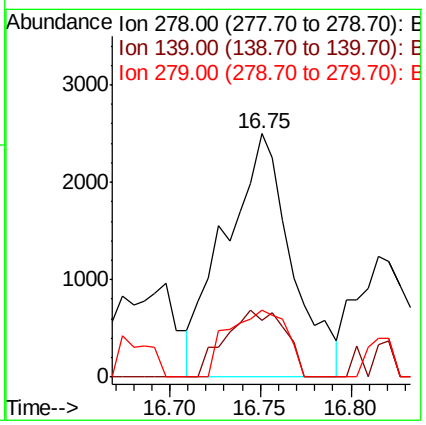


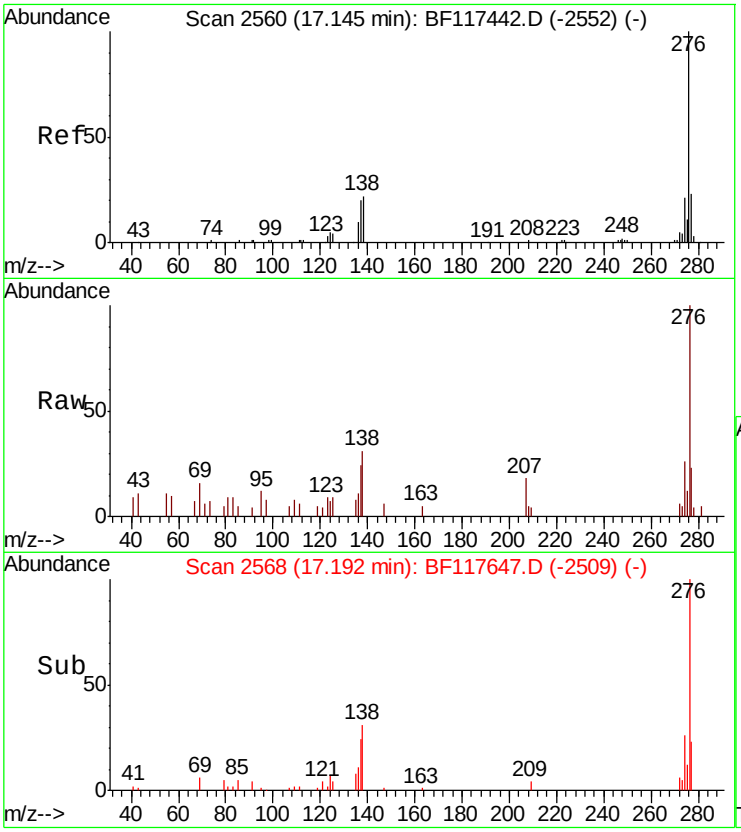


#91
Dibenzo(a,h)anthracene
Concen: 2.084 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Tgt Ion:278 Resp: 6366

Ion	Ratio	Lower	Upper
278	100		
139	23.0	13.4	20.0#
279	27.4	17.8	26.6#





#92
Benzo(g,h,i)perylene
Concen: 5.750 ng
RT: 17.19 min Scan# 2568
Delta R.T. 0.05 min
Lab File: BF117647.D
Acq: 31 Oct 2019 5:47

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 16620

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.4	27.6
138	31.2	17.8	26.6#