Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117545.D
Acq On : 25 Oct 2019 19:20
Operator : JU
Sample : K5502-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 177-44-(0-2.5)

Quant Time: Oct 26 00:13:30 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	40071	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	152468	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	66706	20.00	ng		0.00
64) Phenanthrene-d10	11.26	188	88473	20.00	ng		0.00
76) Chrysene-d12	13.91	240	64262	20.00	ng		0.01
87) Perylene-d12	15.34	264	48217	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.36	112	249040	92.46	ng		0.00
7) Phenol-d6	6.39	99	340346	94.08	ng		0.00
23) Nitrobenzene-d5	7.30	82	215976	69.93	ng		0.00
42) 2,4,6-Tribromophenol	10.56	330	46045	79.78	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	341087	72.05	ng		0.00
79) Terphenyl-d14	12.84	244	228822	58.08	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.39	77	398	Below Cal		#	3
10) Phenol	6.40	94	7702	2.086	ng		87
19) n-Nitroso-di-n-propylamine	7.30	70	28563	12.928	ng	#	76
25) Isophorone	7.30	82	215975	40.424	ng	#	65
31) Naphthalene	8.03	128	31139	4.120	ng		99
37) 2-Methylnaphthalene	8.82	142	21079	4.139	ng		95
38) 1-Methylnaphthalene	8.82	142	21079	4.405	ng	#	99
49) Acenaphthylene	9.63	152	47186	7.715	ng		98
50) Dimethylphthalate	9.48	163	46480	9.774	ng		99
52) Acenaphthene	9.80	154	60403	16.098	ng		98
55) Dibenzofuran	9.97	168	60182	11.070	ng	#	97
56) 4-Nitrophenol	9.87	139	940	5.739	ng	#	6
58) Fluorene	10.31	166	84449	18.785	ng		99
67) 4-Bromophenyl-phenylether	10.56	248	3052	3.203	ng	#	1
71) Phenanthrene	11.29	178	1230091	239.443	ng		98
72) Anthracene	11.33	178	250960	47.610	ng		99
73) Carbazole	11.49	167	91474	18.989	ng		97
75) Fluoranthene	12.49	202	1866339	362.901	ng		96
77) Benzidine	12.59	184	235	Below Cal		#	67
78) Pyrene	12.72	202	1630250	295.348	ng		99
81) Benzo(a)anthracene	13.90	228	822749	189.804	ng		97
83) Chrysene	13.94	228	692830	163.084	ng		96
84) Bis(2-ethylhexyl)phthalate	13.87	149	9719	2.526	ng		97
86) Indeno(1,2,3-cd)pyrene	16.77	276	233398	73.585	ng		96
88) Benzo(b)fluoranthene	14.94	252	896801	314.968	ng		98
89) Benzo(k)fluoranthene	14.94	252	896801	307.305	ng	#	97
90) Benzo(a)pyrene	15.30	252	414882	160.263	ng	#	93
91) Dibenzo(a,h)anthracene	16.92	278	51759	23.123	ng		98
92) Benzo(g,h,i)perylene	17.20	276	212756	100.454	ng		97

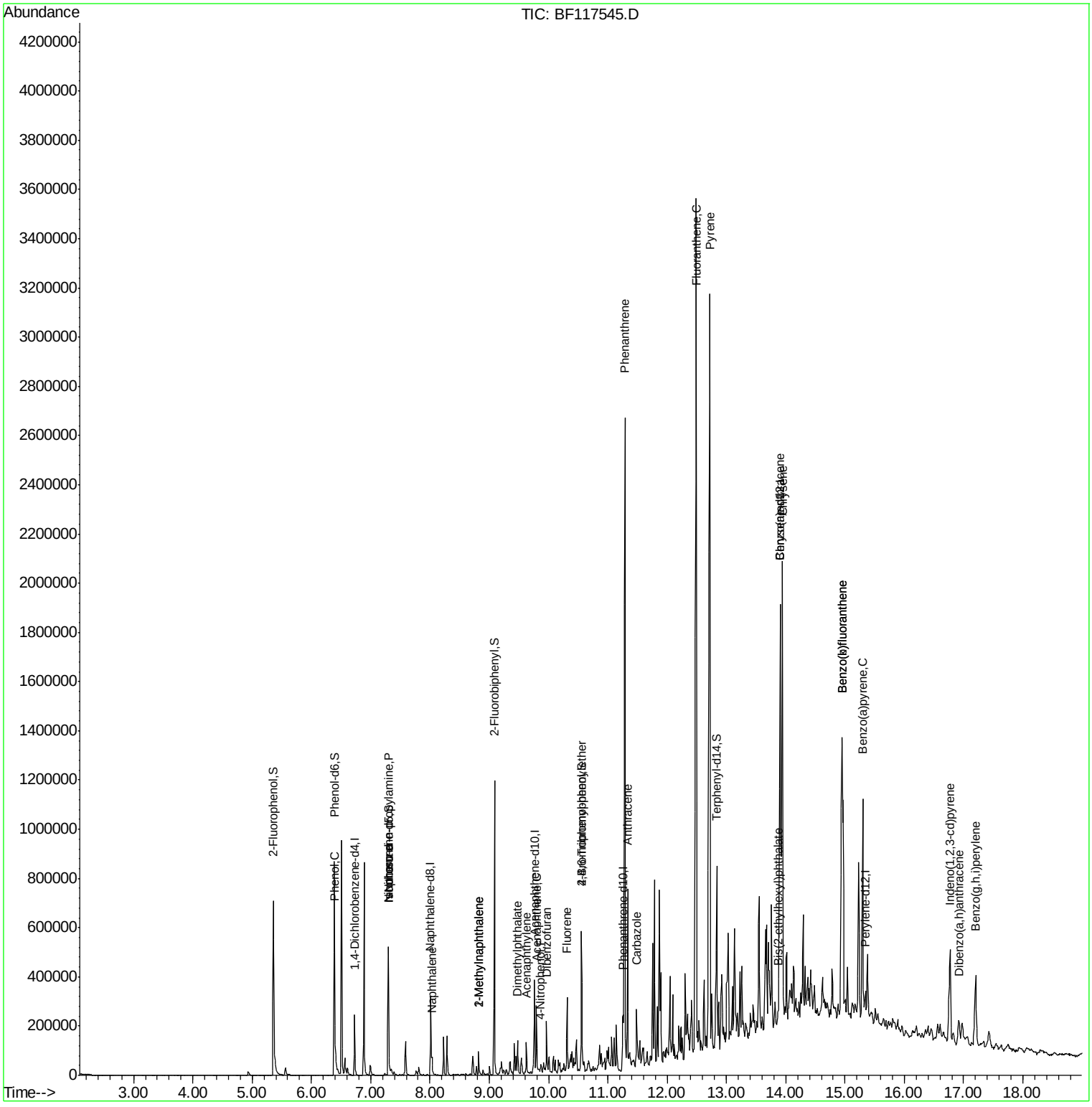
(#) = qualifier out of range (m) = manual integration (+) = signals summed

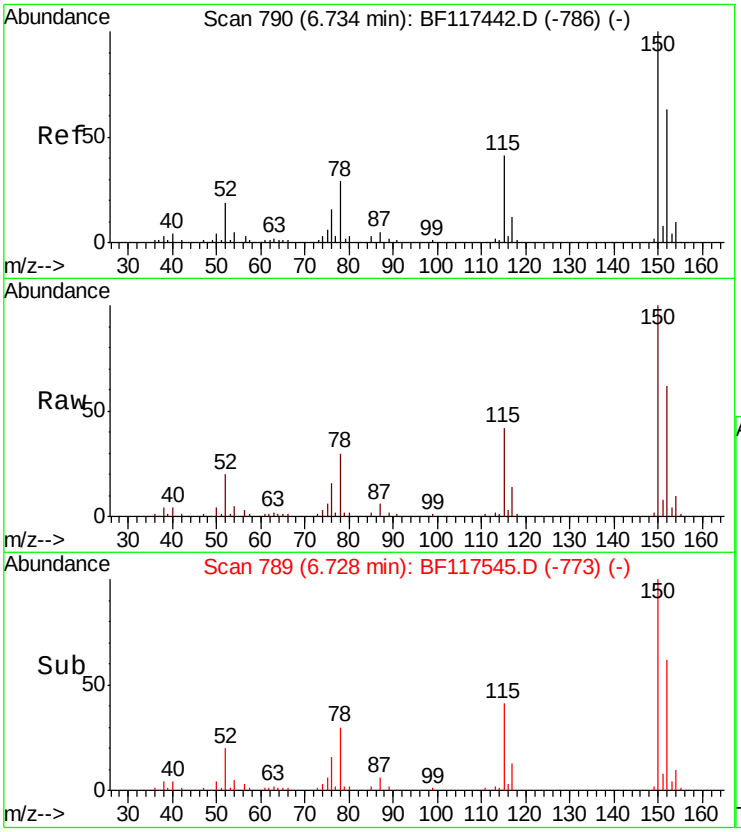
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117545.D
Acq On : 25 Oct 2019 19:20
Operator : JU
Sample : K5502-17
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Quant Time: Oct 26 00:13:30 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



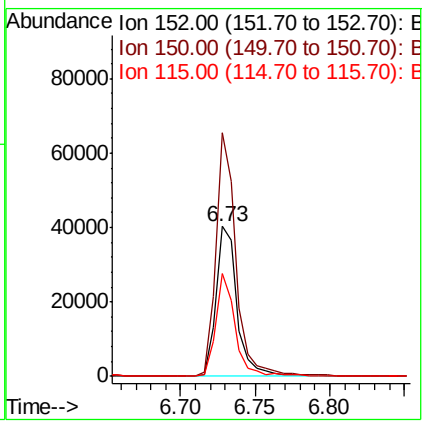


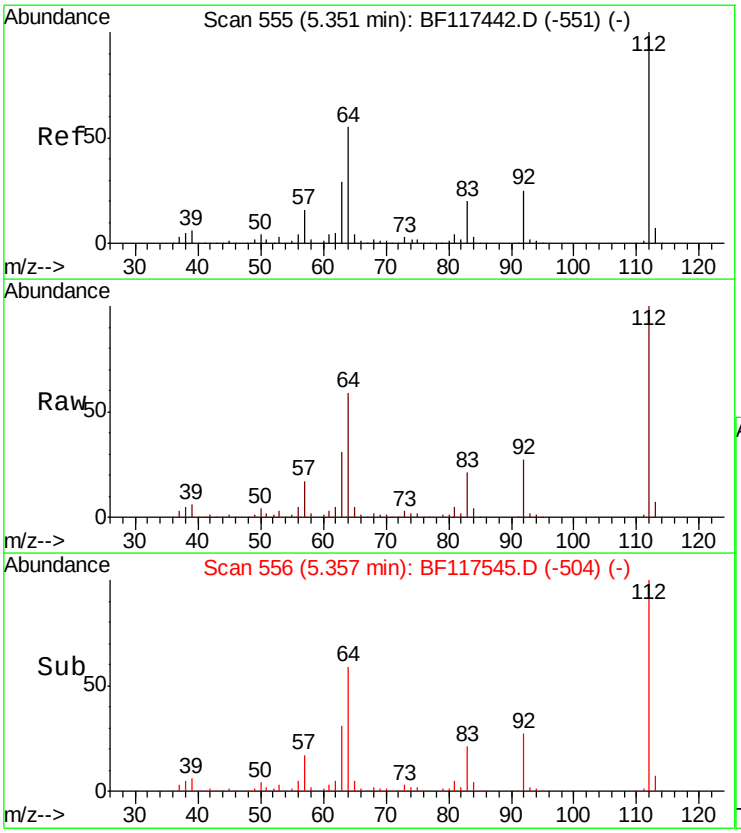
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:152 Resp: 40071

Ion	Ratio	Lower	Upper
152	100		
150	162.2	126.8	190.2
115	68.4	51.6	77.4

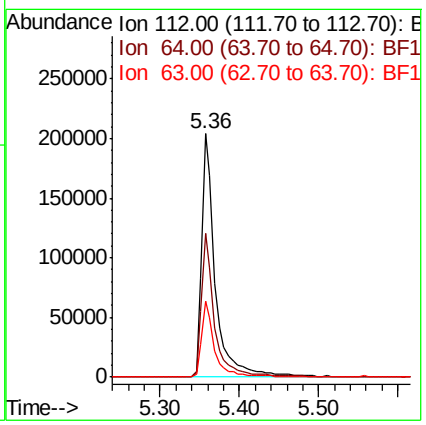


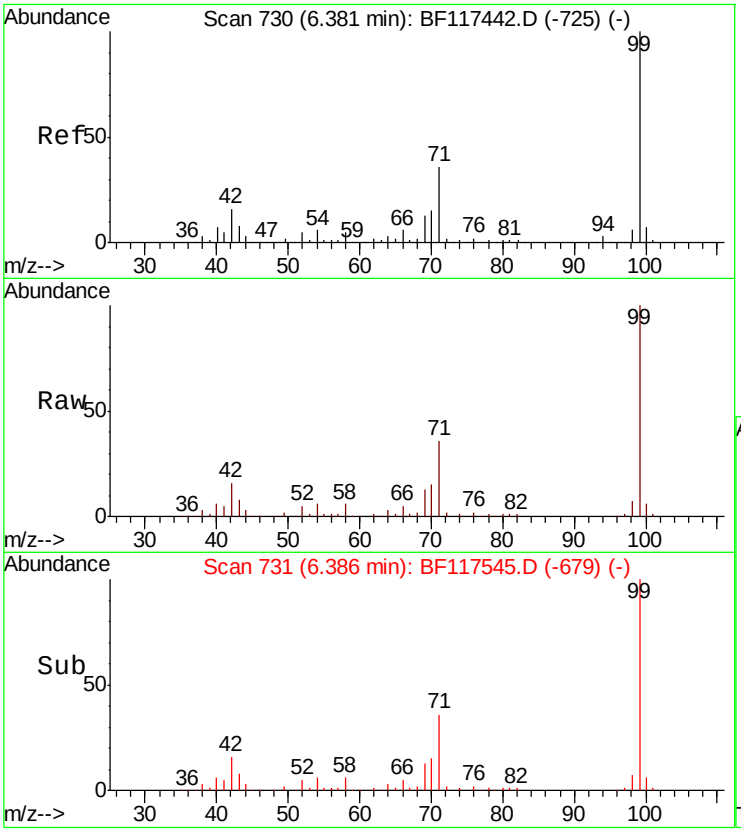


#5
2-Fluorophenol
Concen: 92.460 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:112 Resp: 249040

Ion	Ratio	Lower	Upper
112	100		
64	59.1	44.1	66.1
63	31.1	23.4	35.2



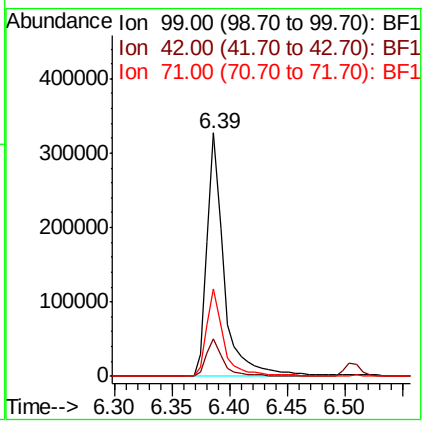


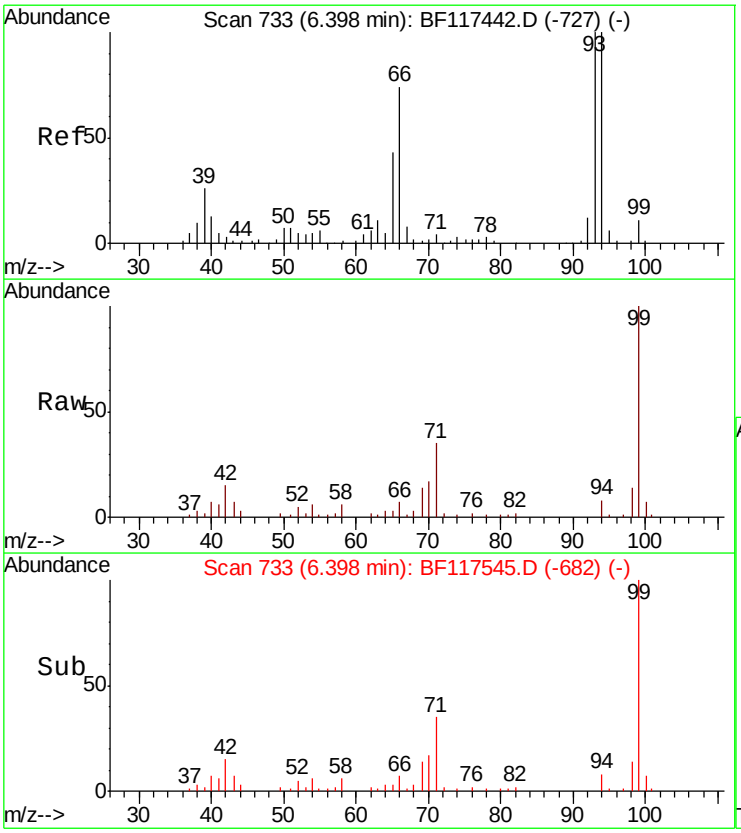
#7
Phenol-d6
Concen: 94.079 ng
RT: 6.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion: 99 Resp: 340346

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.8	19.2
71	35.8	28.6	43.0

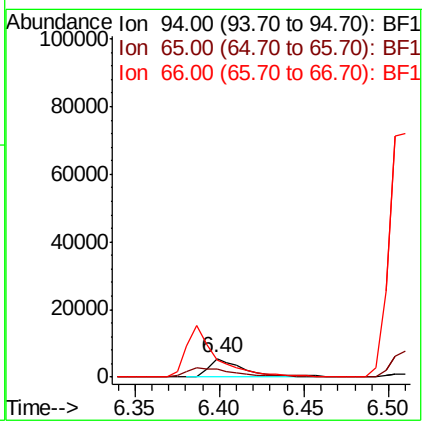


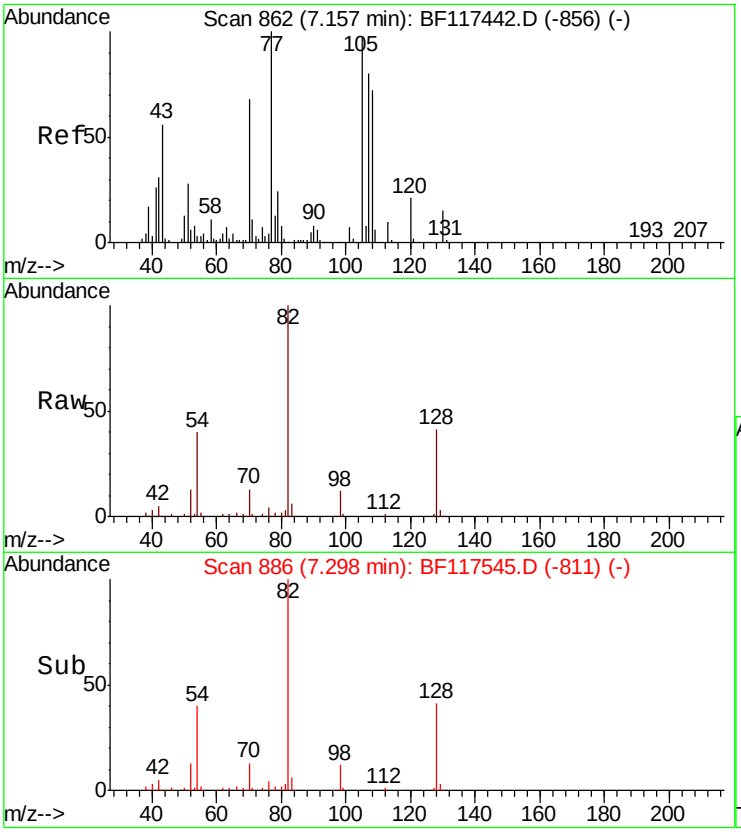


#10
Phenol
Concen: 2.086 ng
RT: 6.40 min Scan# 733
Delta R.T. -0.00 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion: 94 Resp: 7702

Ion	Ratio	Lower	Upper
94	100		
65	42.4	23.4	63.4
66	91.4	54.7	94.7



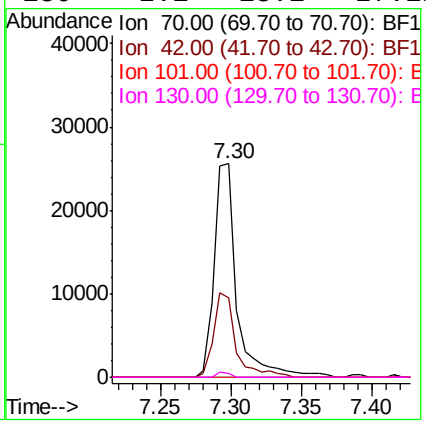


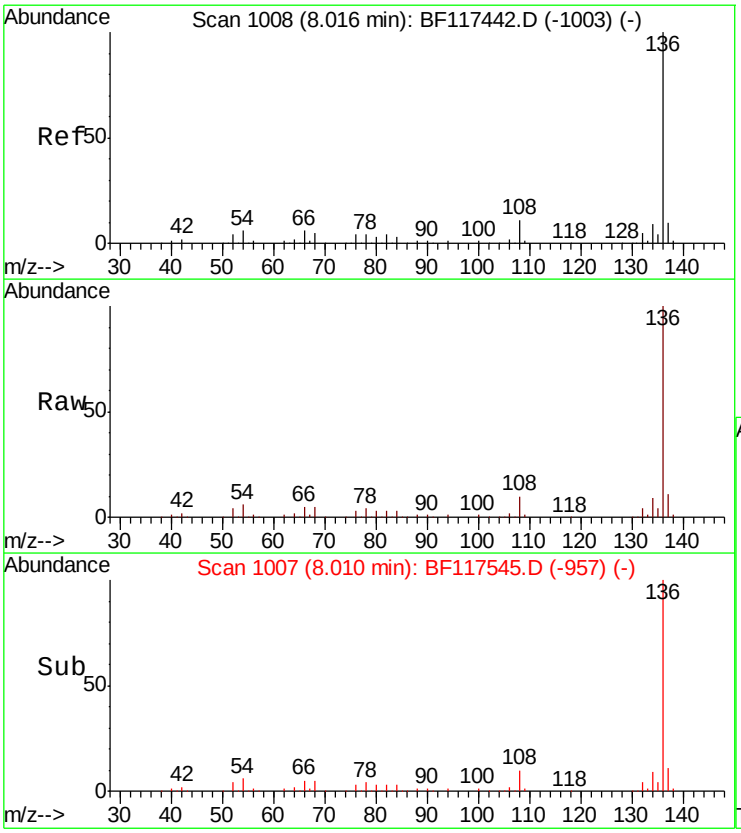
#19
n-Nitroso-di-n-propylamine
Concen: 12.928 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion: 70 Resp: 28563

Ion	Ratio	Lower	Upper
70	100		
42	36.9	36.7	55.1
101	0.0	8.3	12.5#
130	2.1	18.1	27.1#

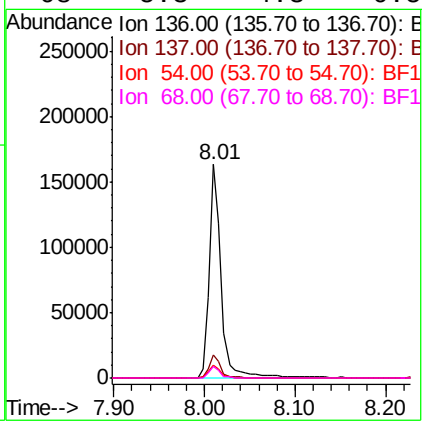


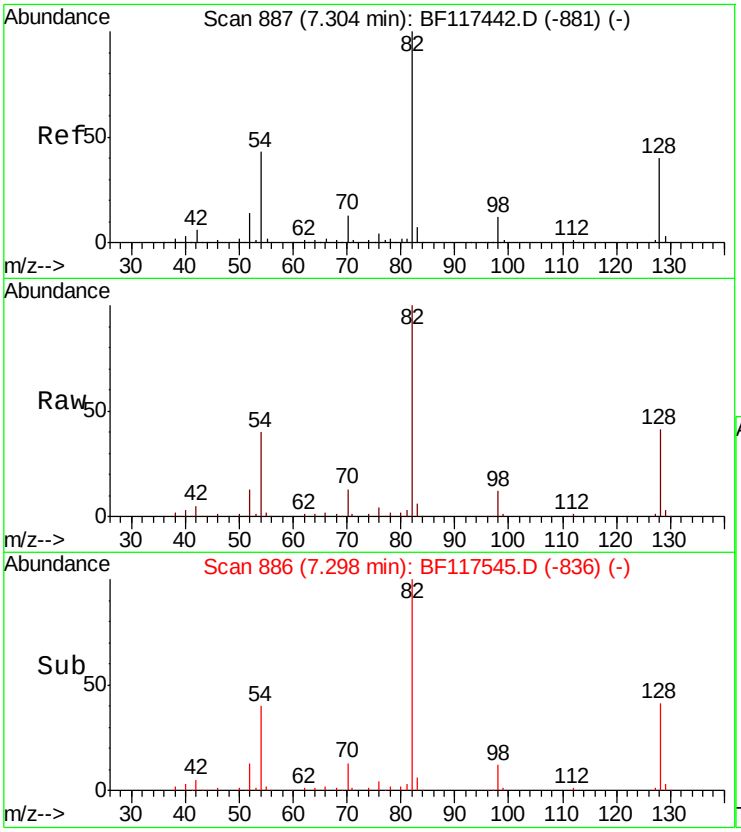


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:136 Resp: 152468

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.2	12.4
54	6.3	4.5	6.7
68	5.3	4.3	6.5



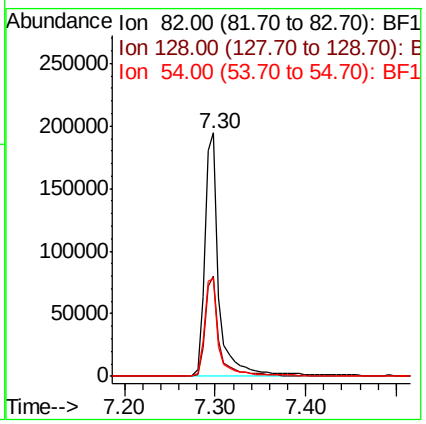


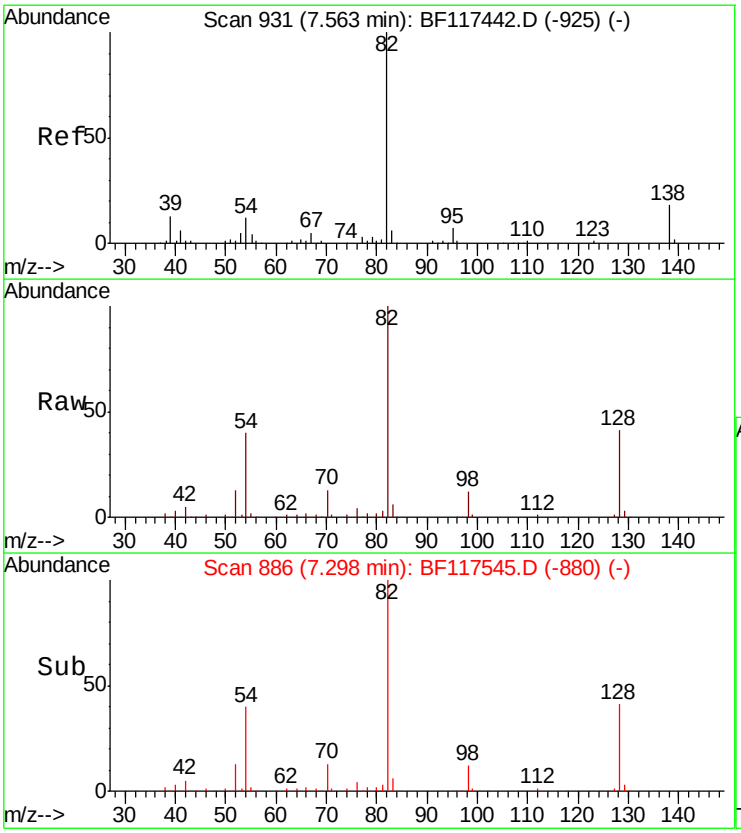
#23
Nitrobenzene-d5
Concen: 69.931 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion: 82 Resp: 215976

Ion	Ratio	Lower	Upper
82	100		
128	41.4	32.2	48.2
54	40.3	34.2	51.2

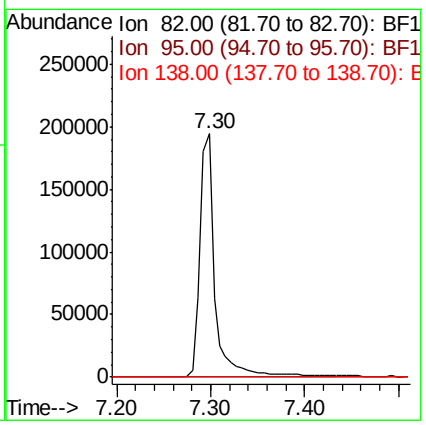


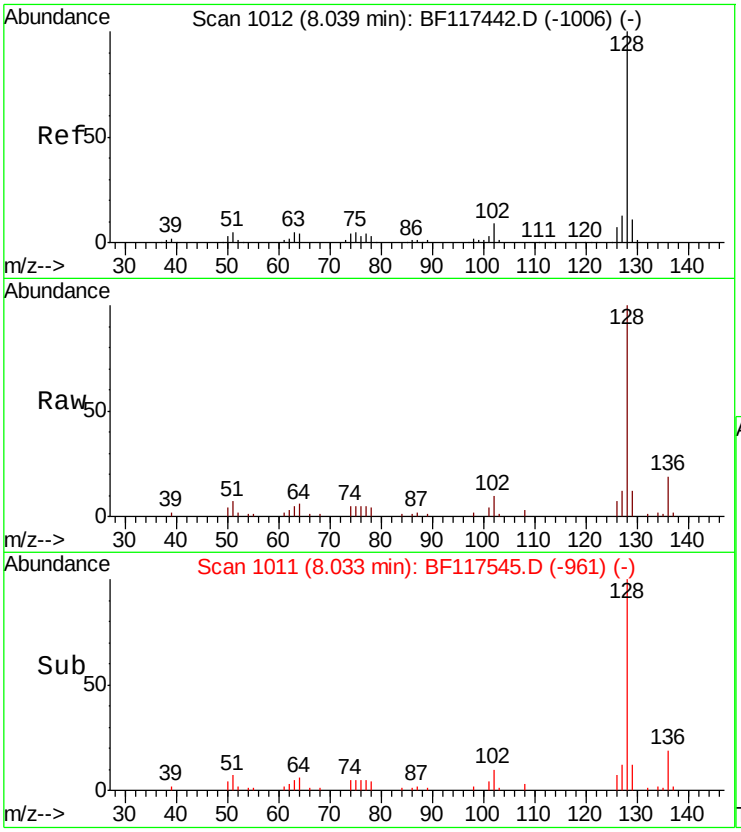


#25
Isophorone
Concen: 40.424 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion: 82 Resp: 215975

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



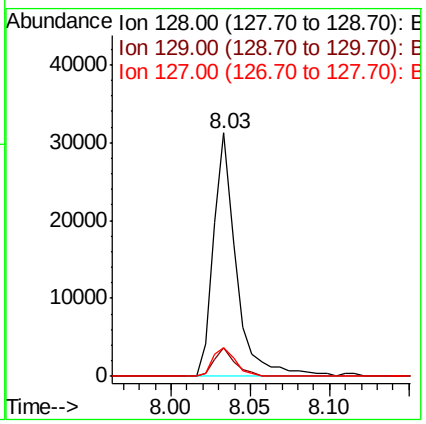


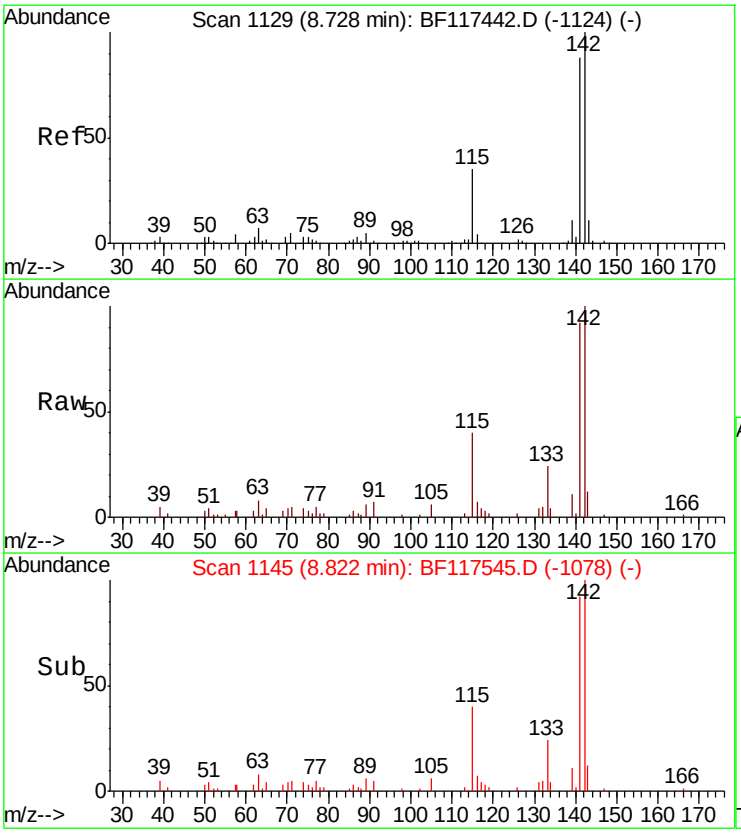
#31
Naphthalene
Concen: 4.120 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:128 Resp: 31139

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.4
127	11.9	10.2	15.2

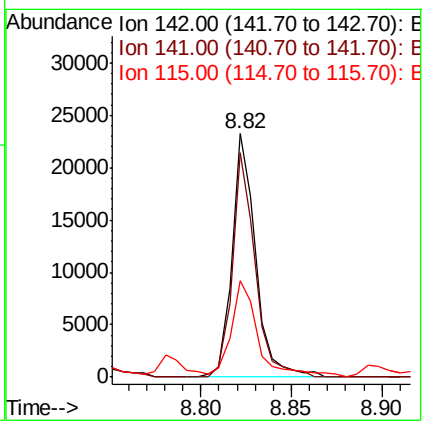


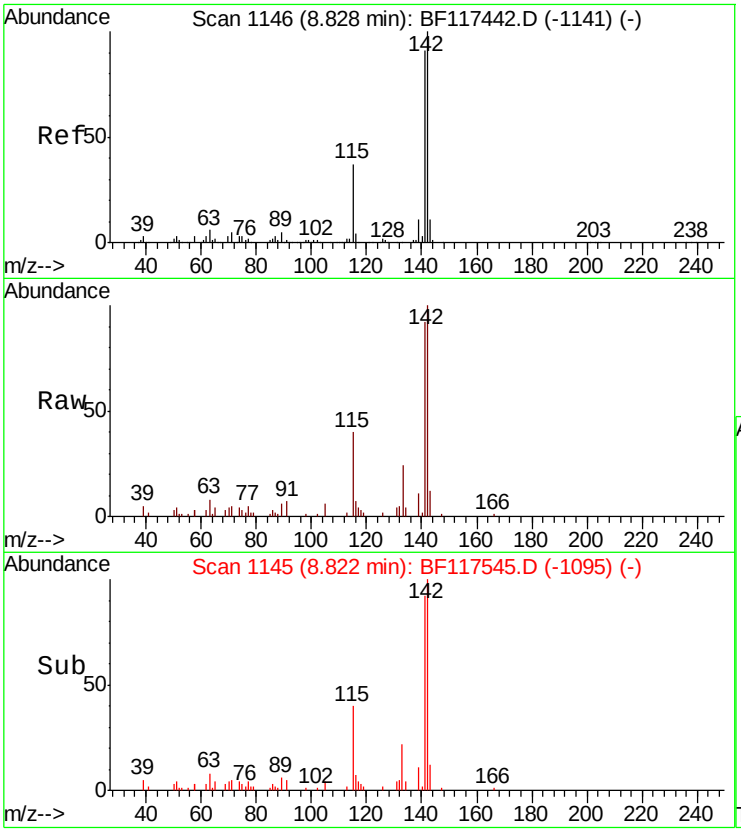


#37
2-Methylnaphthalene
Concen: 4.139 ng
RT: 8.82 min Scan# 1145
Delta R.T. 0.09 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:142 Resp: 21079

Ion	Ratio	Lower	Upper
142	100		
141	92.1	70.3	105.5
115	39.6	28.2	42.2



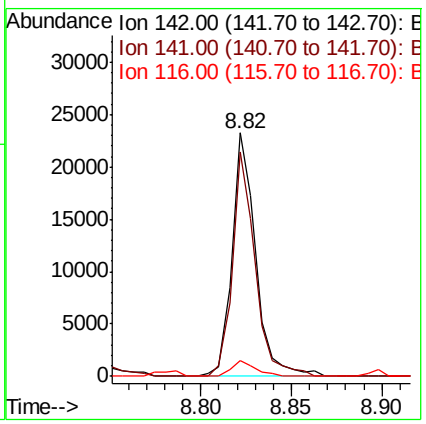


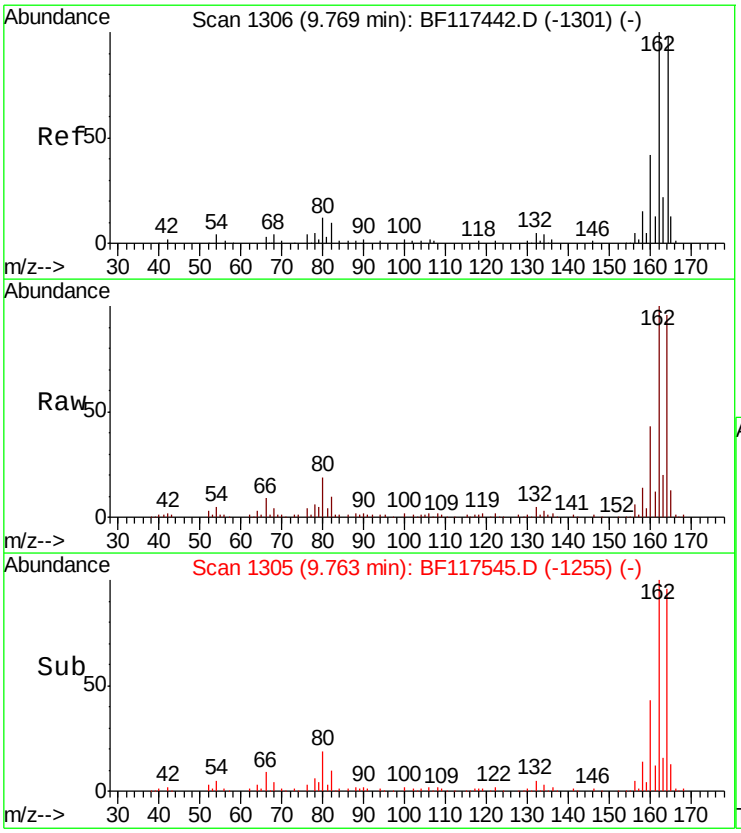
#38
1-Methylnaphthalene
Concen: 4.405 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:142 Resp: 21079

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.3	109.9
116	6.7	3.1	4.7#

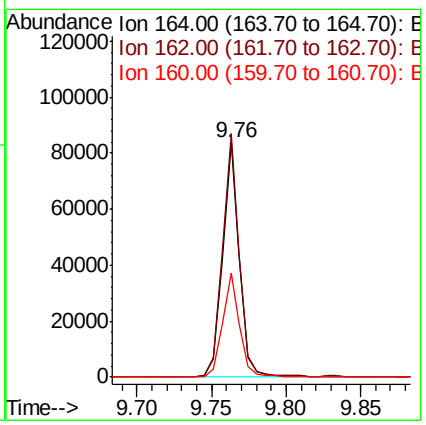


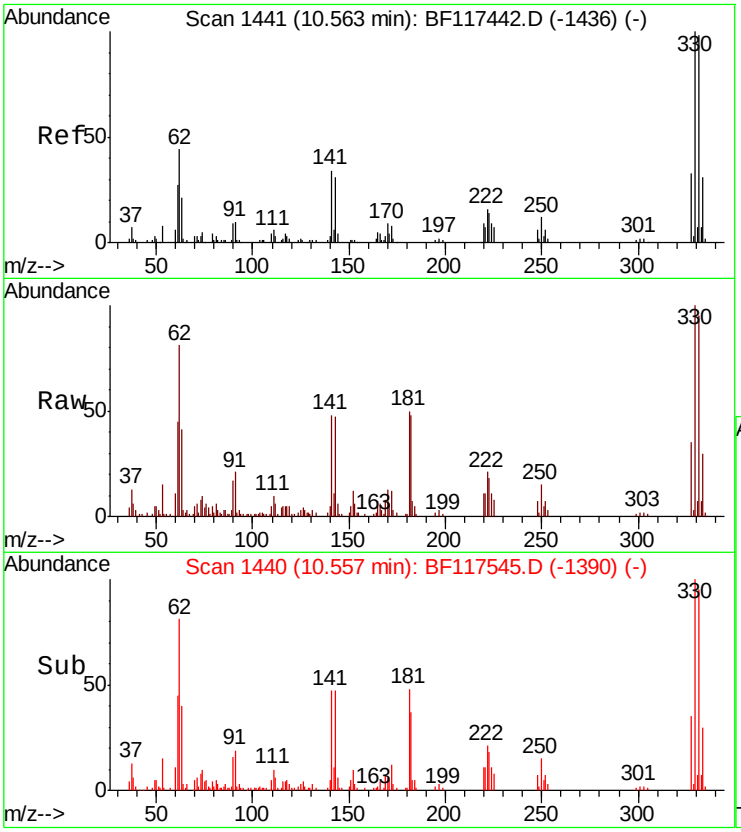


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:164 Resp: 66706

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.8	122.6
160	44.2	34.4	51.6



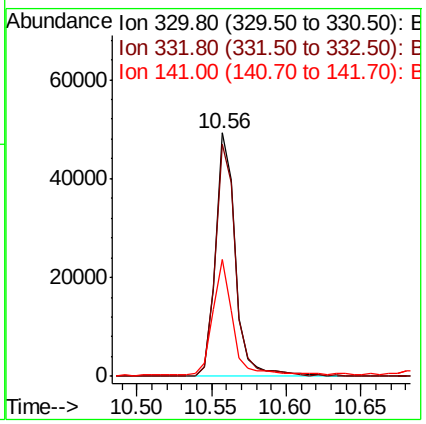


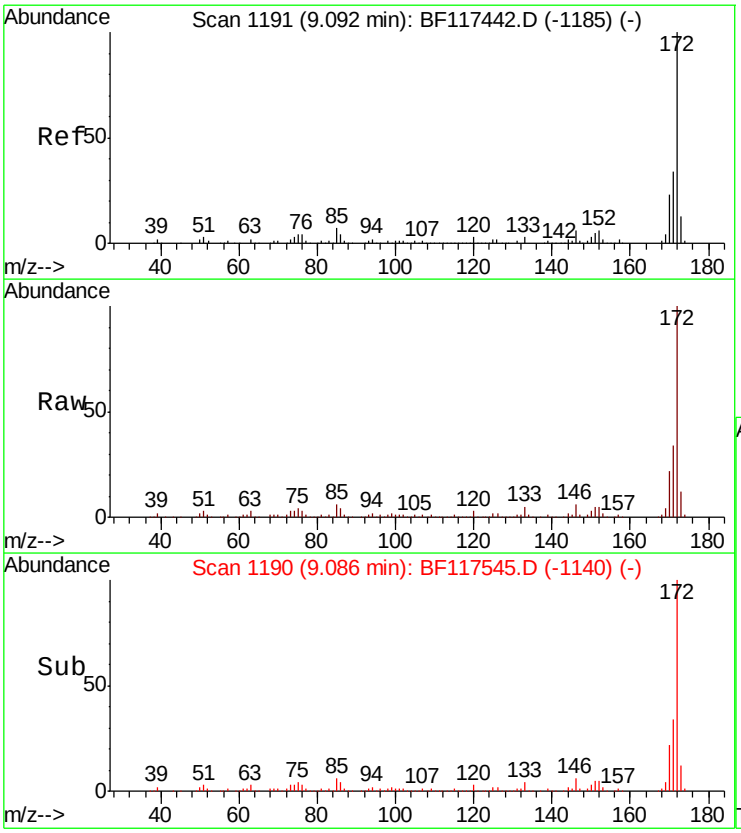
#42
2,4,6-Tribromophenol
Concen: 79.776 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:330 Resp: 46045

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.5	117.7
141	45.7	37.0	55.6

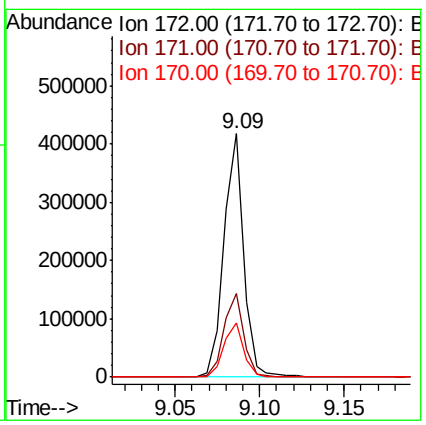


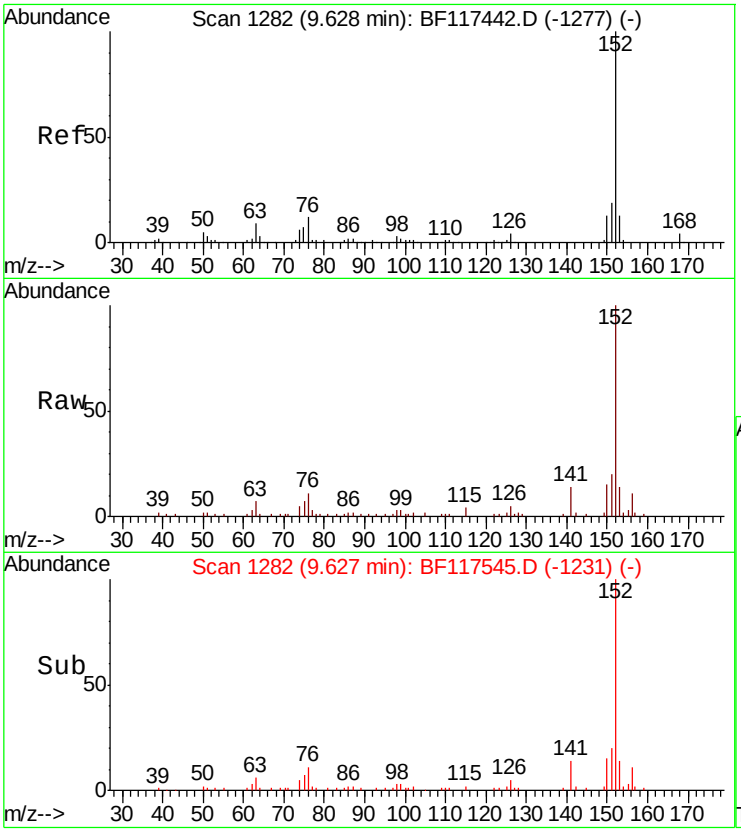


#45
2-Fluorobiphenyl
Concen: 72.046 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:172 Resp: 341087

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.5	41.3
170	22.3	18.6	27.8



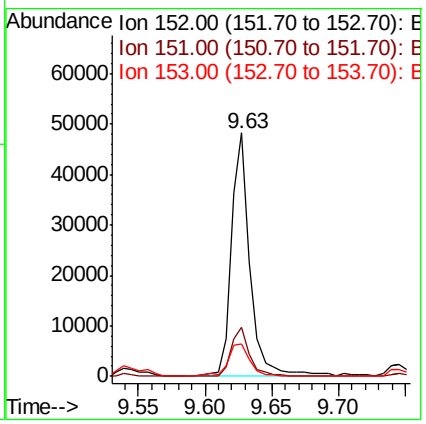


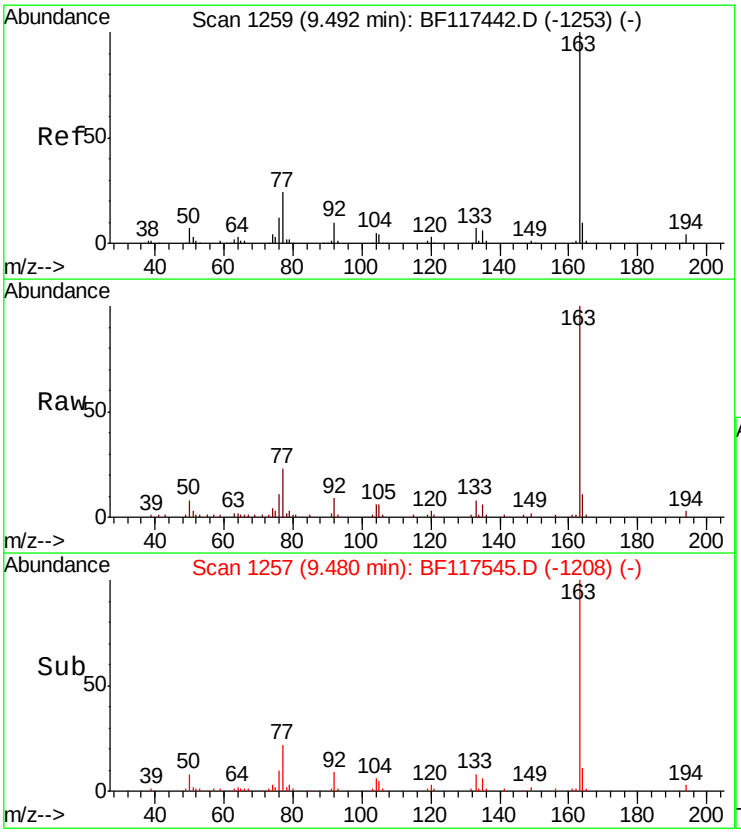
#49
Acenaphthylene
Concen: 7.715 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:152 Resp: 47186

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.4	23.0
153	13.6	10.3	15.5

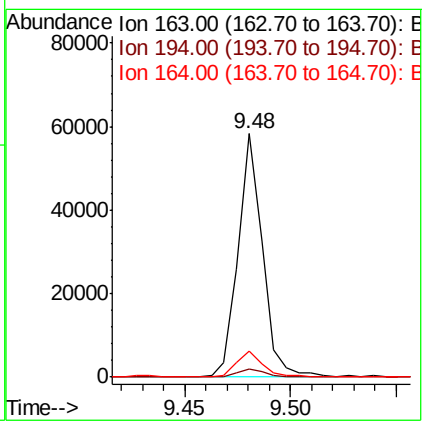


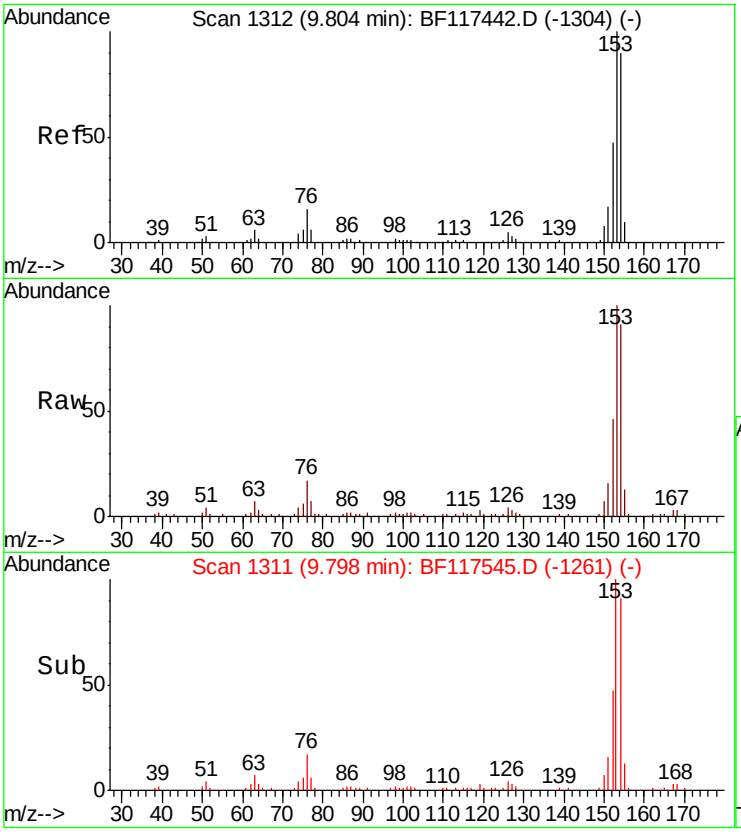


#50
Dimethylphthalate
Concen: 9.774 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:163 Resp: 46480

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.9	4.3
164	10.6	8.2	12.2



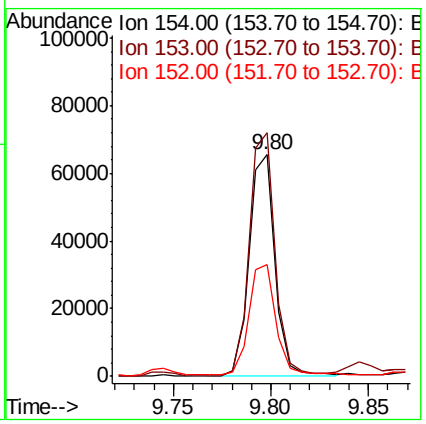


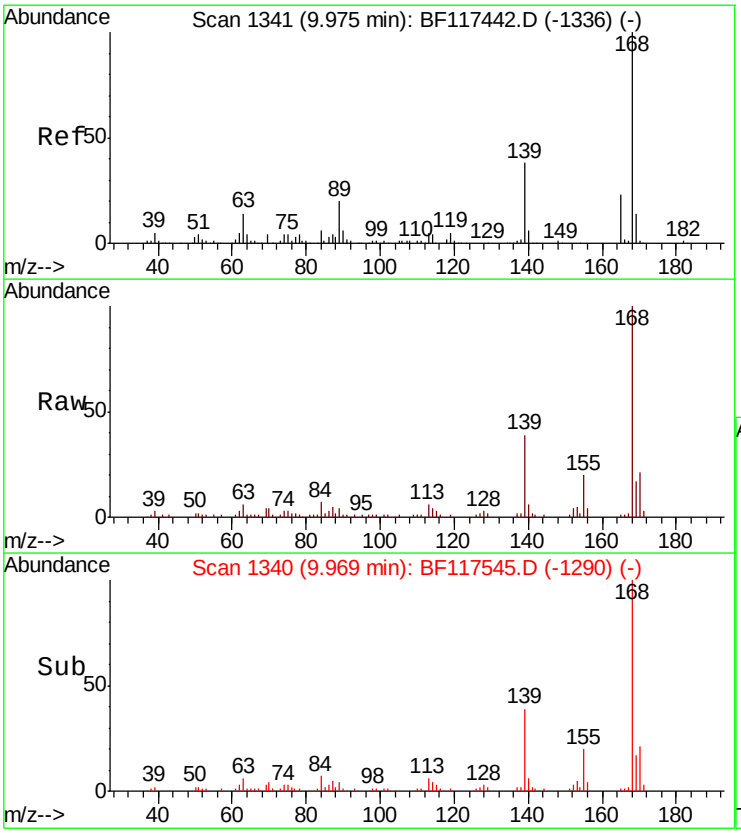
#52
Acenaphthene
Concen: 16.098 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:154 Resp: 60403

Ion	Ratio	Lower	Upper
154	100		
153	109.9	89.2	133.8
152	50.7	41.8	62.6

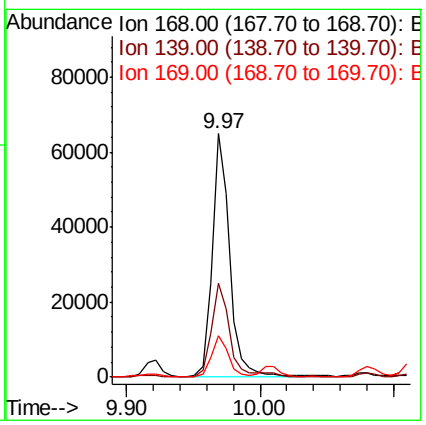


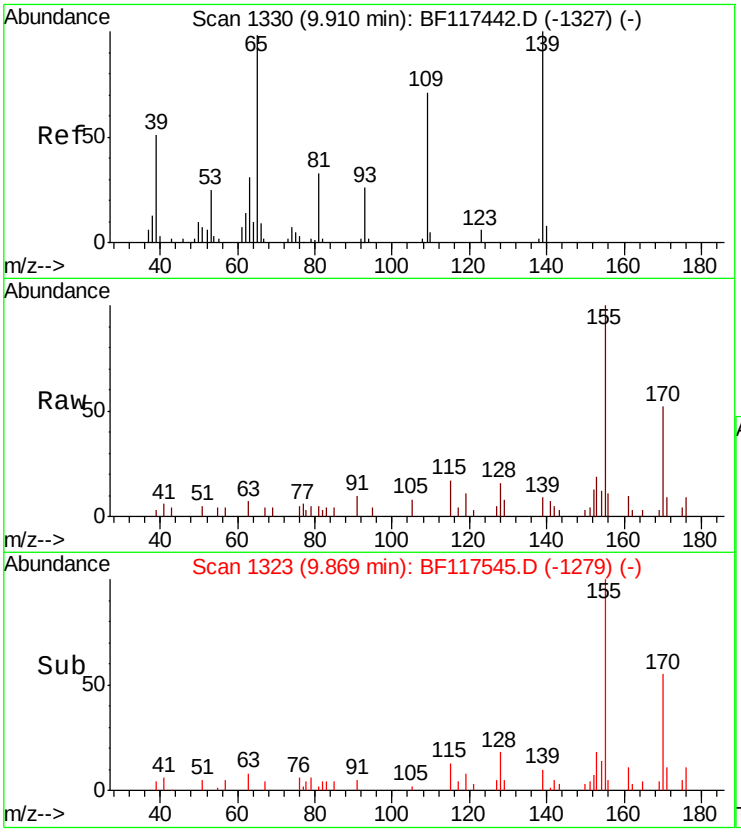


#55
Dibenzofuran
Concen: 11.070 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:168 Resp: 60182

Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.8	47.6
169	16.8	11.2	16.8#



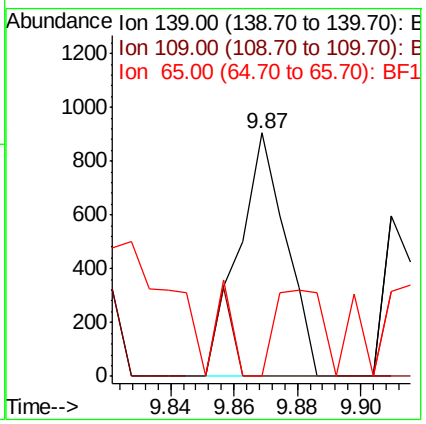


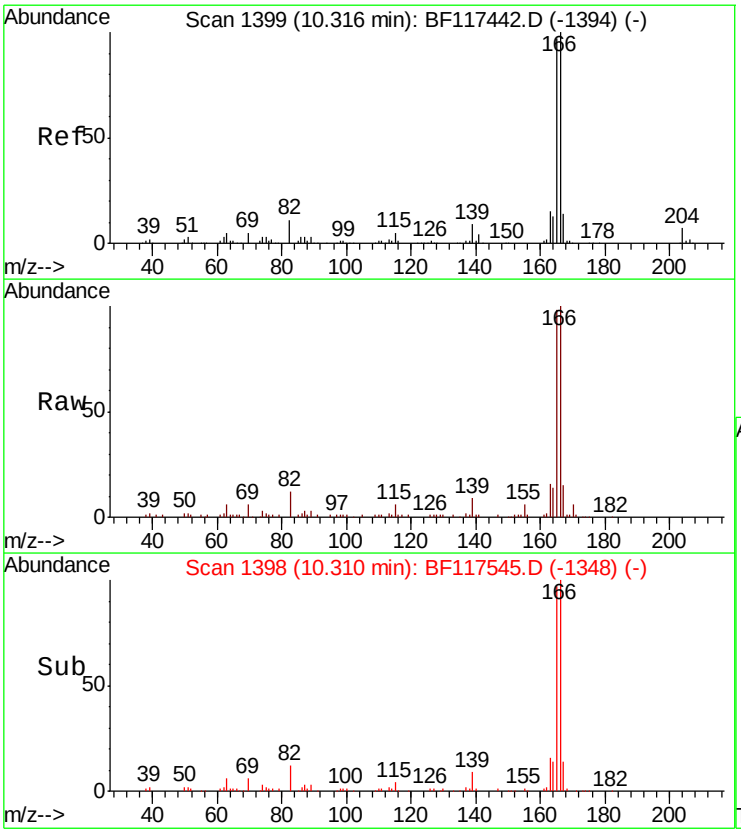
#56
4-Nitrophenol
Concen: 5.739 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.04 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:139 Resp: 940

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

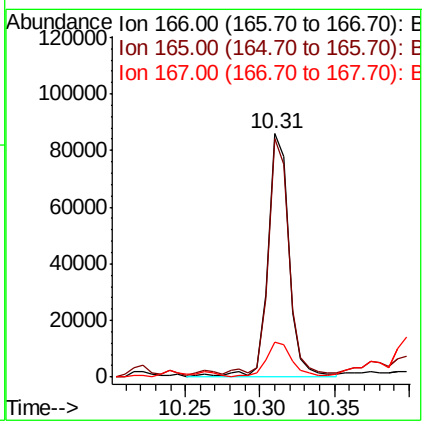


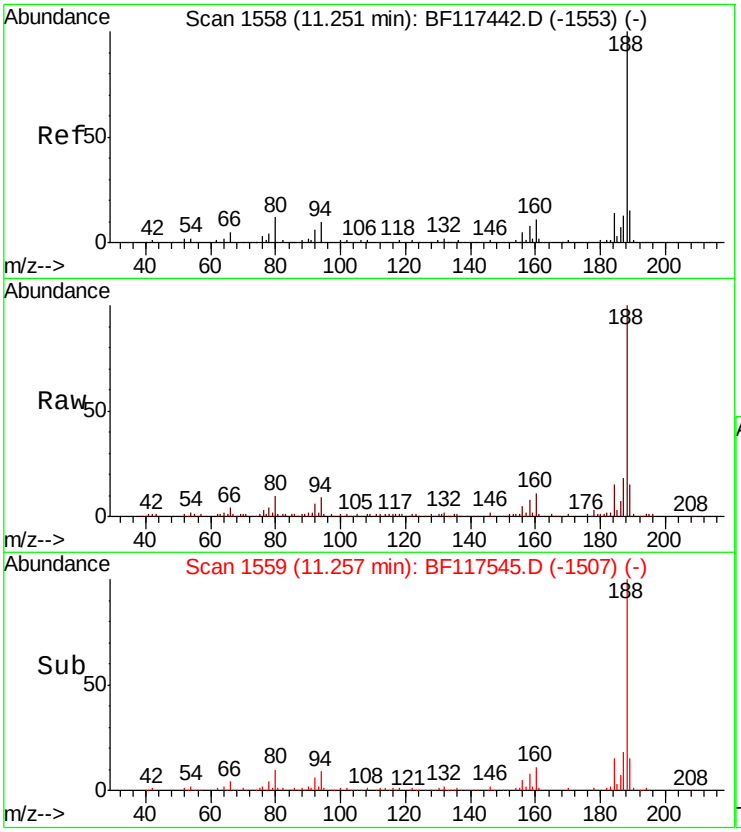


#58
Fluorene
Concen: 18.785 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:166 Resp: 84449

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.6	116.4
167	14.6	11.0	16.4



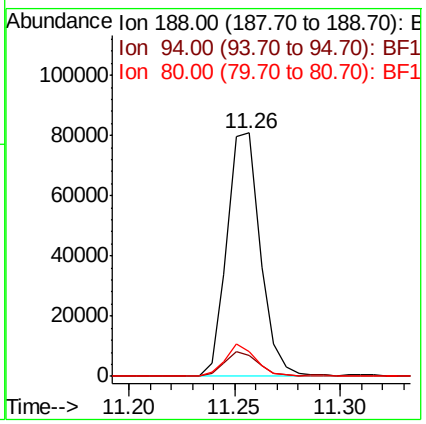


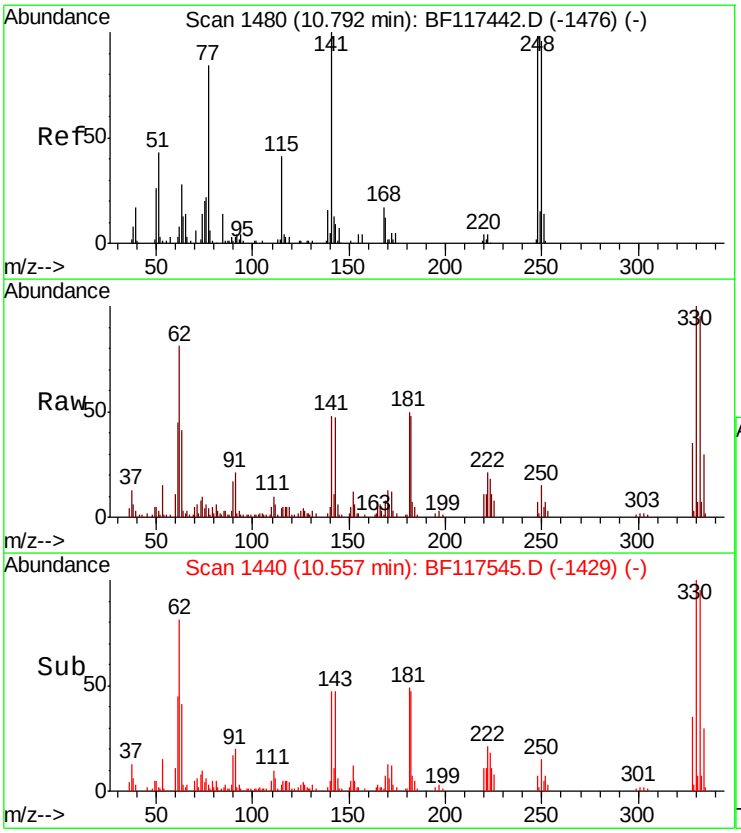
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:188 Resp: 88473

Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.0	12.0
80	10.4	9.5	14.3

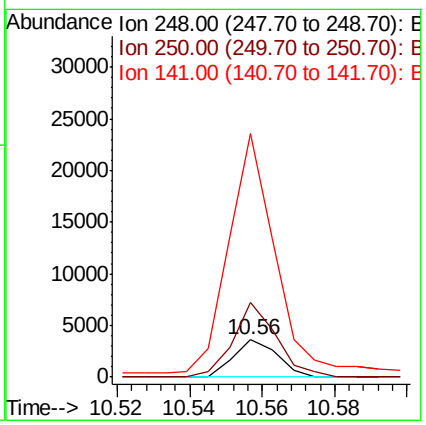


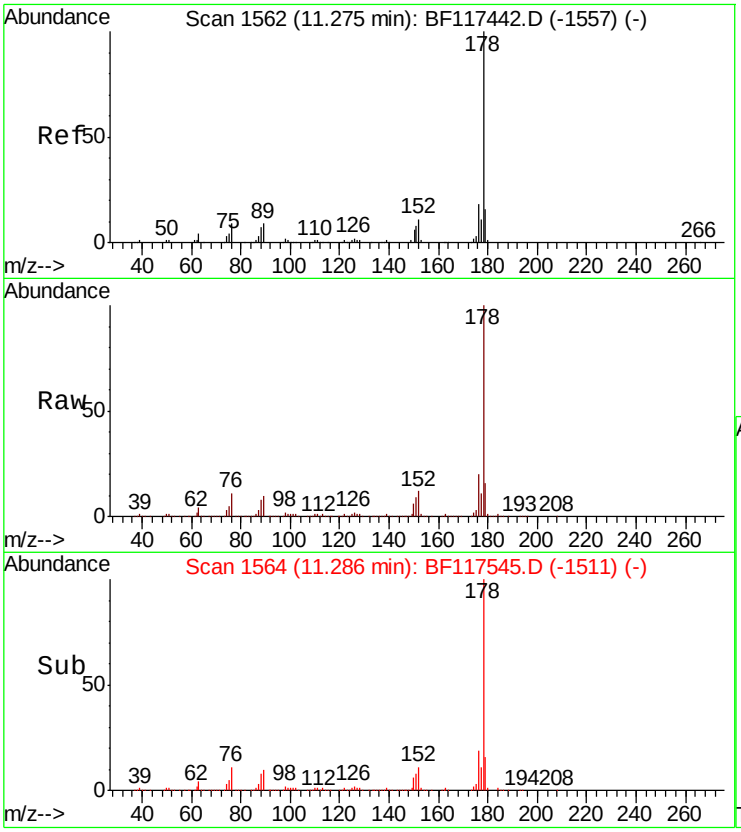


#67
4-Bromophenyl-phenylether
Concen: 3.203 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:248 Resp: 3052

Ion	Ratio	Lower	Upper
248	100		
250	160.6	78.0	117.0#
141	522.6	81.7	122.5#



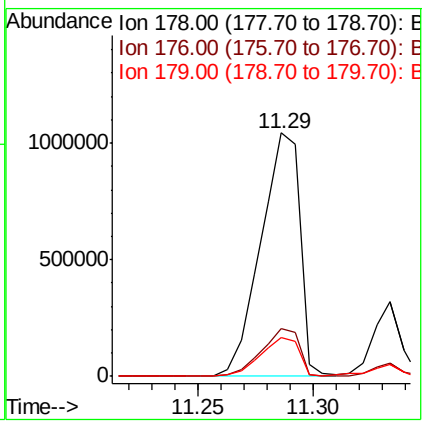


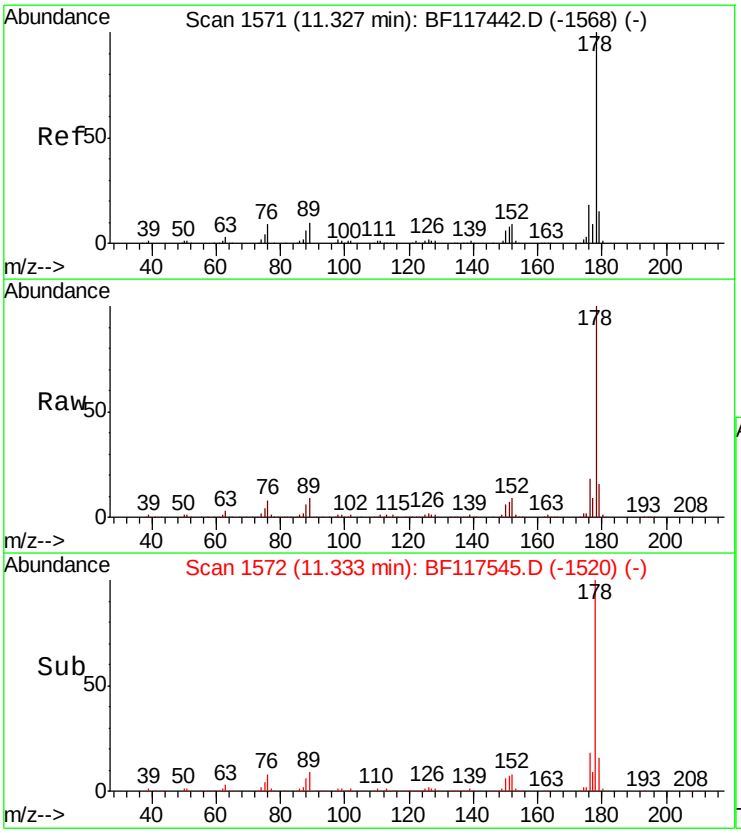
#71
Phenanthrene
Concen: 239.443 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:178 Resp: 1230091

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.6	22.0
179	16.0	12.6	19.0

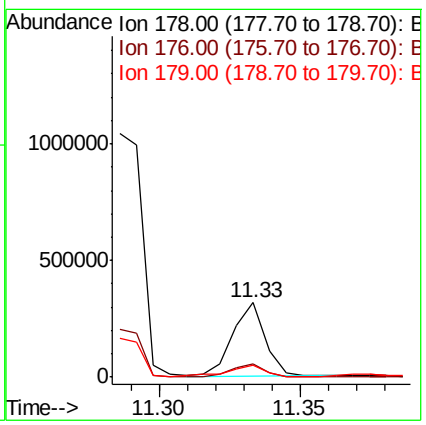


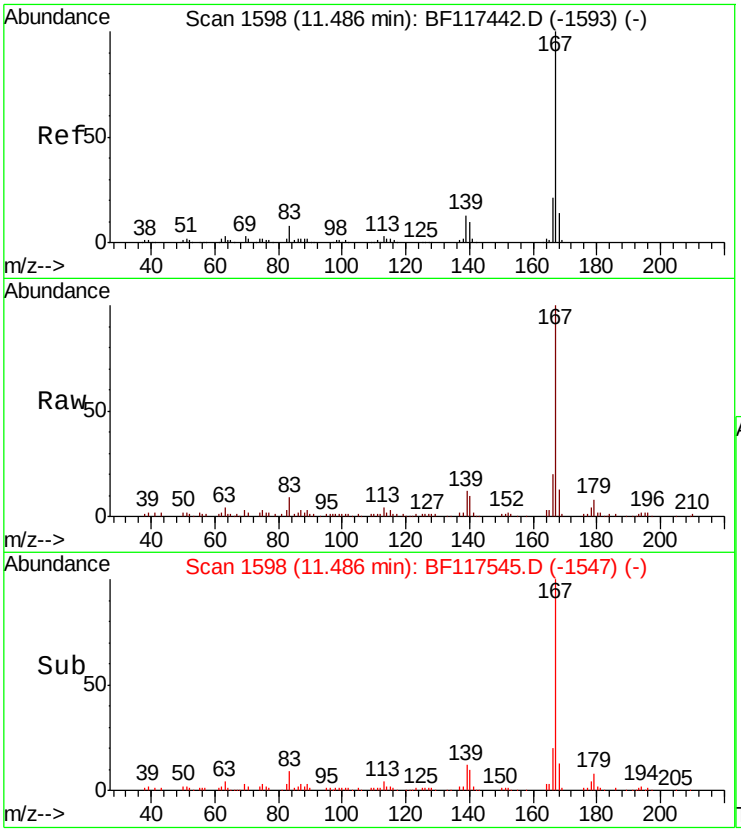


#72
Anthracene
Concen: 47.610 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:178 Resp: 250960

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.7	12.2	18.2



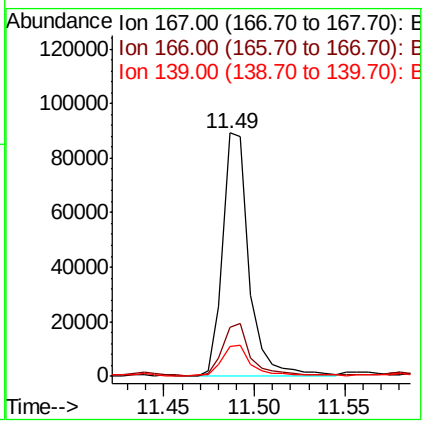


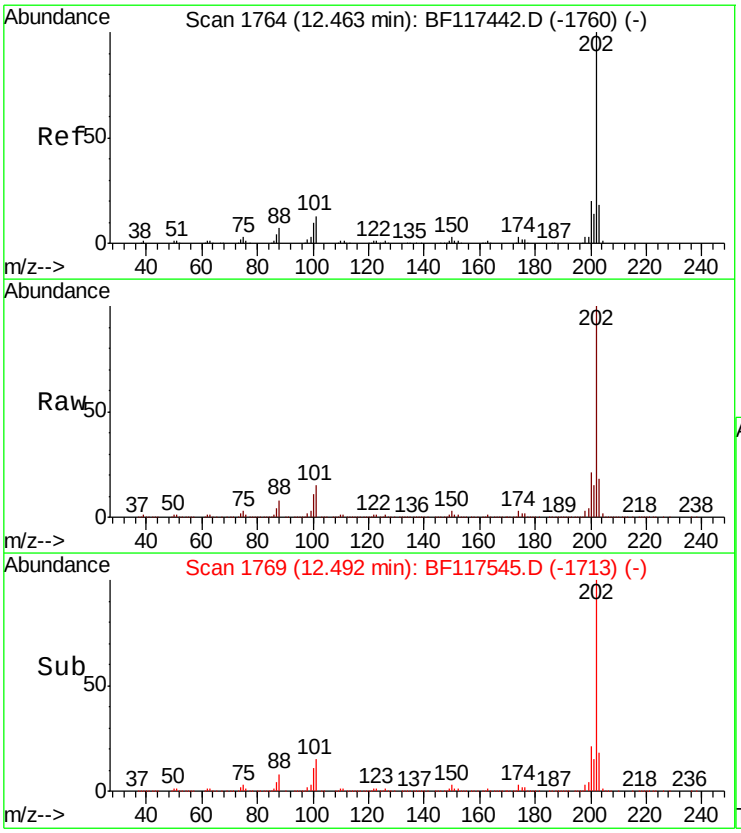
#73
Carbazole
Concen: 18.989 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:167 Resp: 91474

Ion	Ratio	Lower	Upper
167	100		
166	20.1	17.0	25.6
139	12.4	10.6	16.0

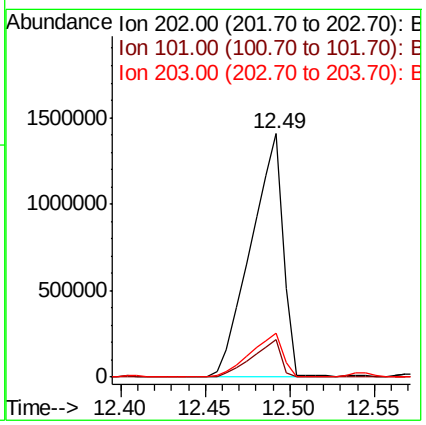


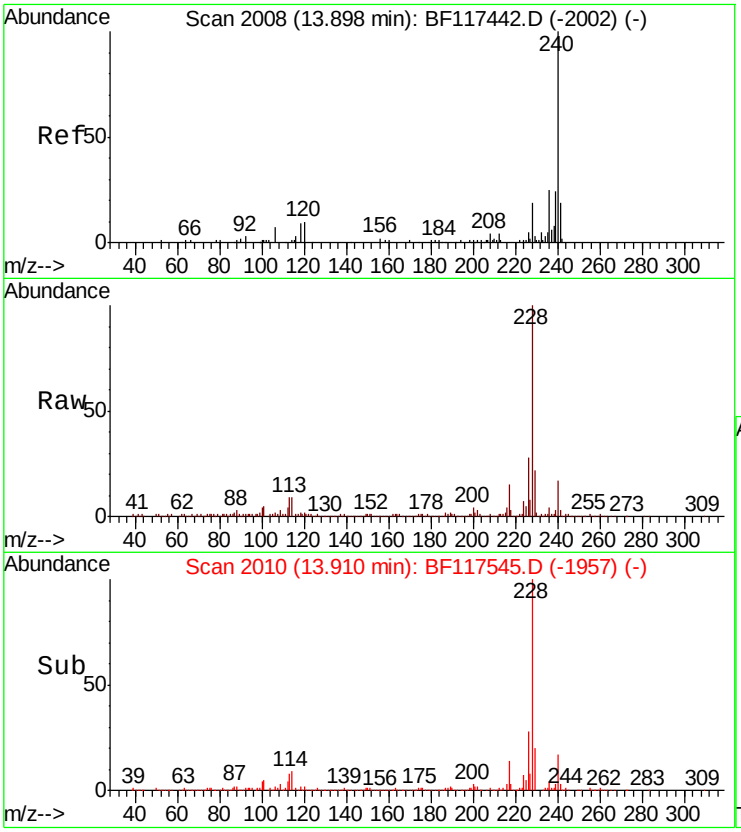


#75
Fluoranthene
Concen: 362.901 ng
RT: 12.49 min Scan# 1769
Delta R.T. 0.03 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:202 Resp: 1866339

Ion	Ratio	Lower	Upper
202	100		
101	15.4	0.0	32.7
203	18.2	0.0	37.6



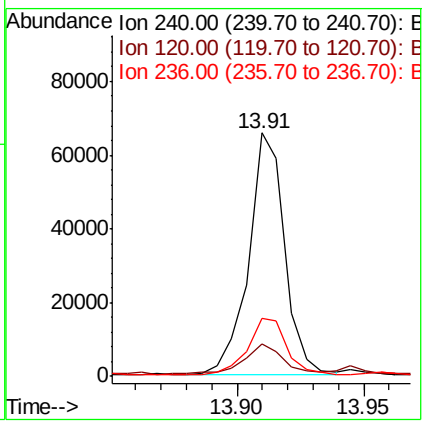


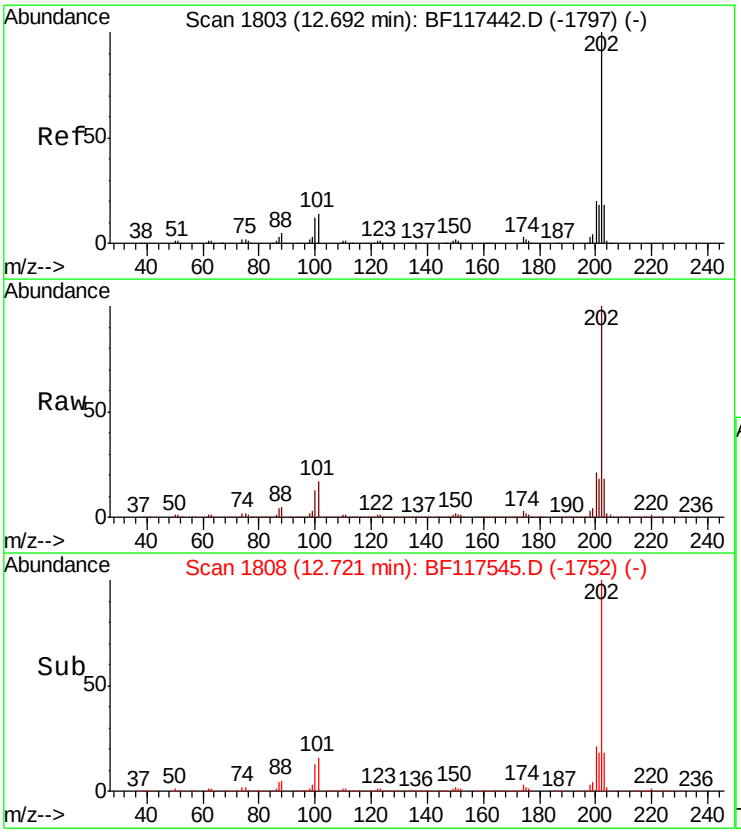
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:240 Resp: 64262

Ion	Ratio	Lower	Upper
240	100		
120	13.2	8.4	12.6#
236	23.8	20.0	30.0

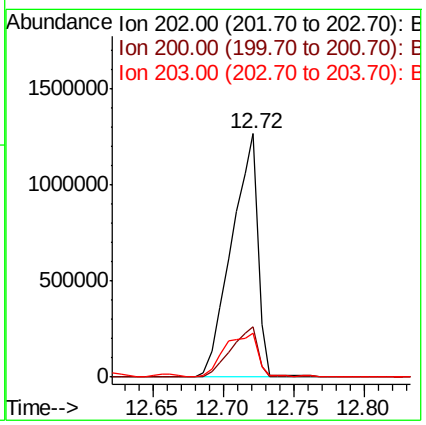


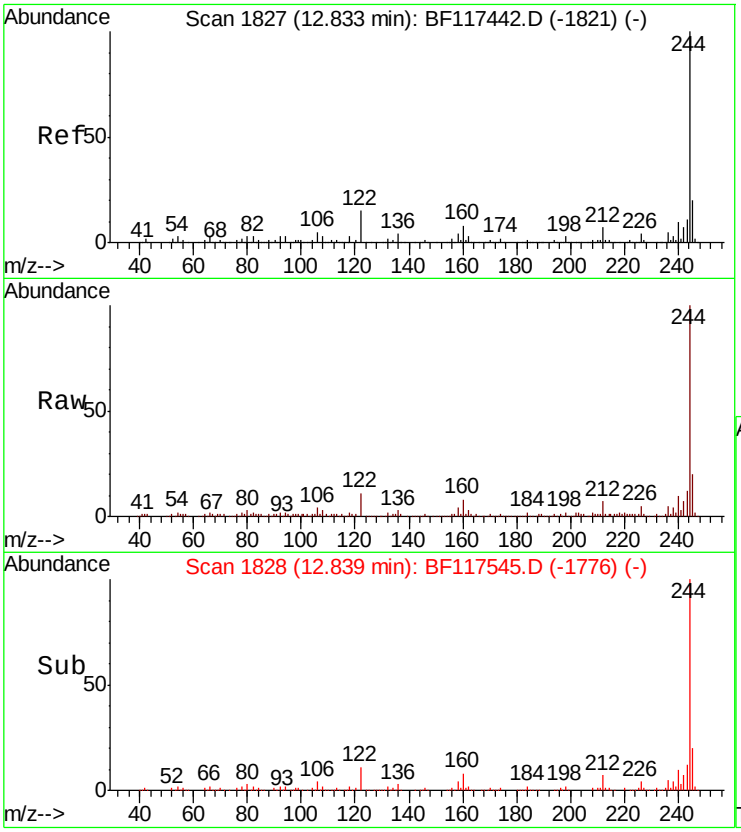


#78
Pyrene
Concen: 295.348 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.03 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:202 Resp: 1630250

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.2	24.2
203	18.1	14.0	21.0



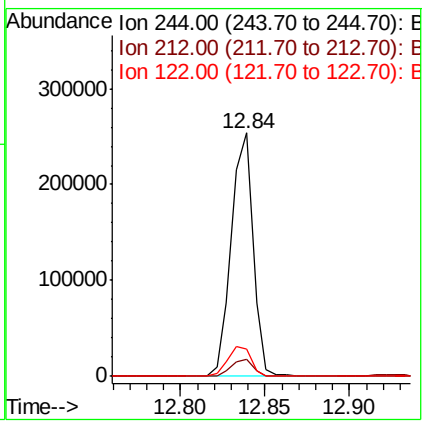


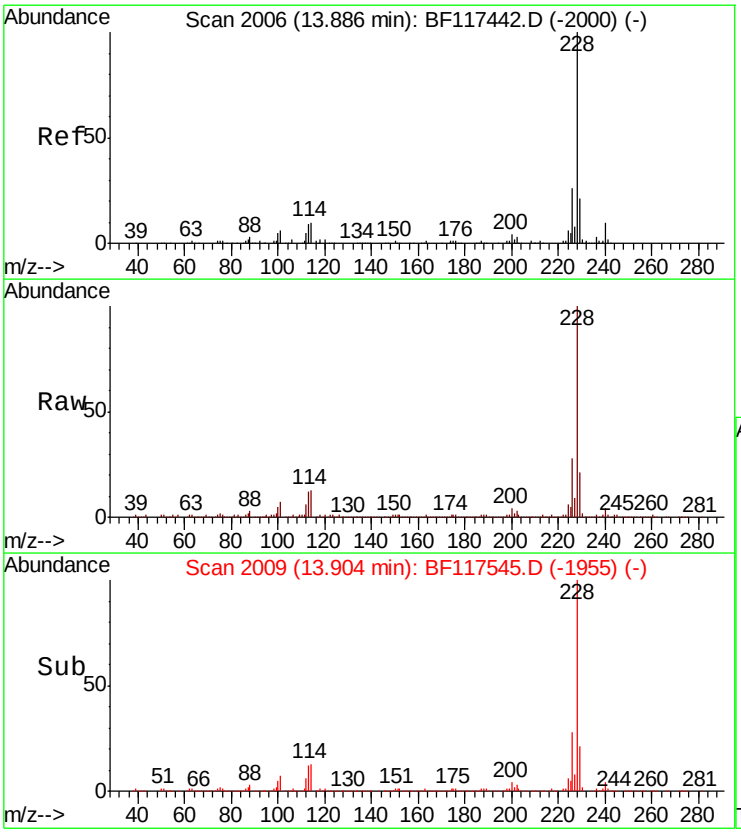
#79
Terphenyl-d14
Concen: 58.080 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.01 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:244 Resp: 228822

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	11.5	11.8	17.8#

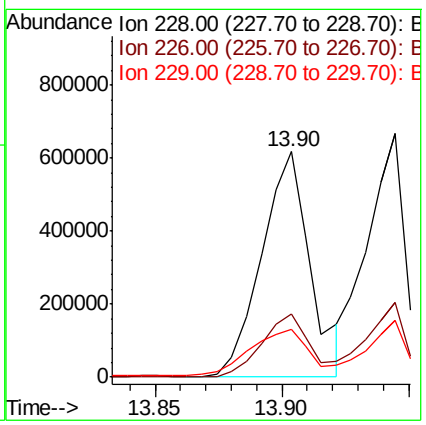


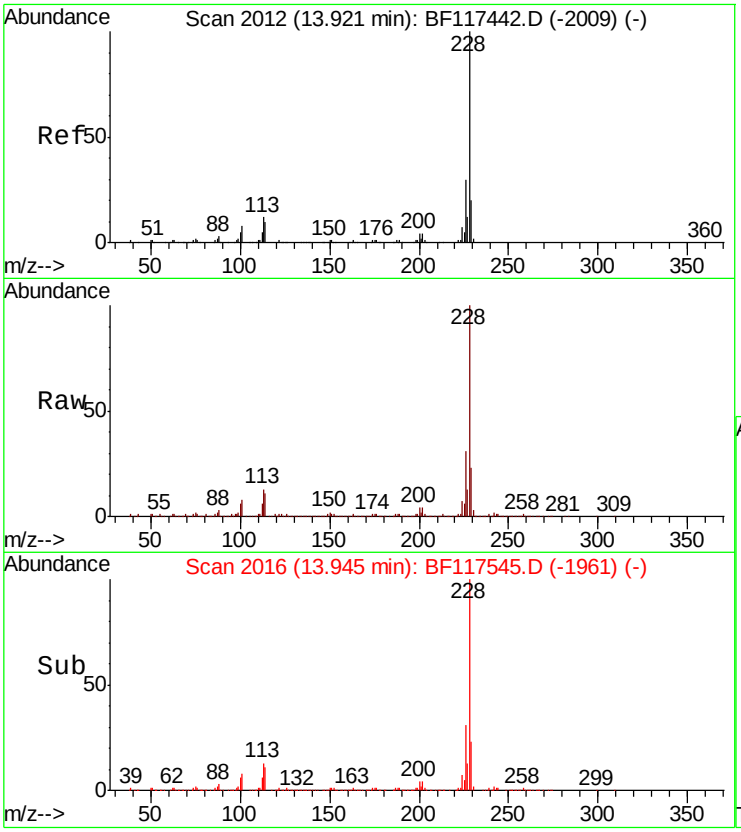


#81
Benzo(a)anthracene
Concen: 189.804 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.02 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:228 Resp: 822749

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.0	31.4
229	21.2	16.4	24.6



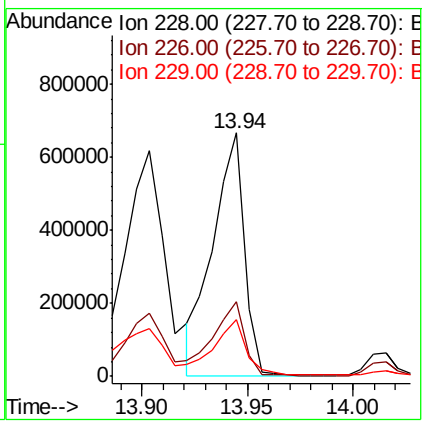


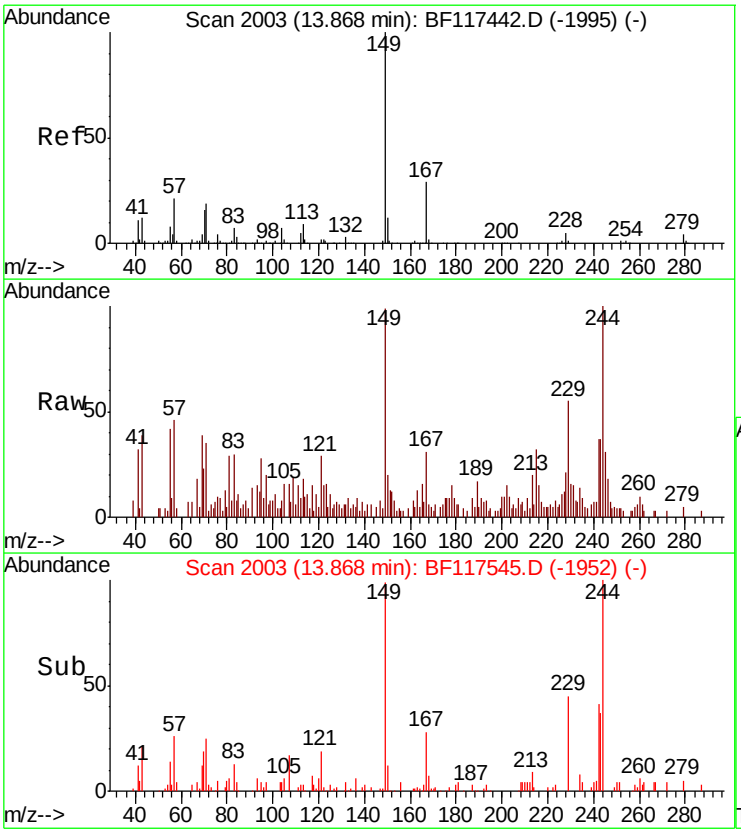
#83
Chrysene
Concen: 163.084 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.02 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:228 Resp: 692830

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.9	35.9
229	23.4	15.8	23.6

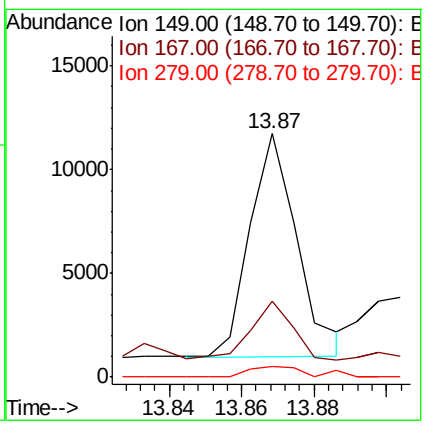


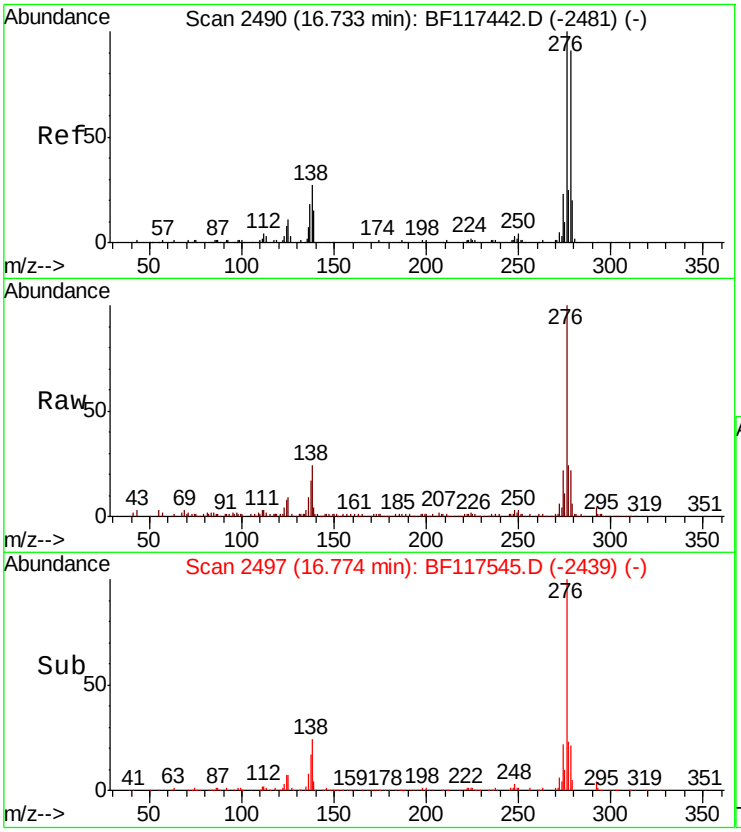


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.526 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:149 Resp: 9719

Ion	Ratio	Lower	Upper
149	100		
167	31.0	23.3	34.9
279	4.6	3.2	4.8



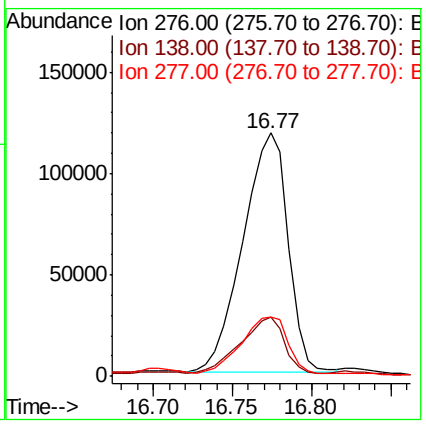


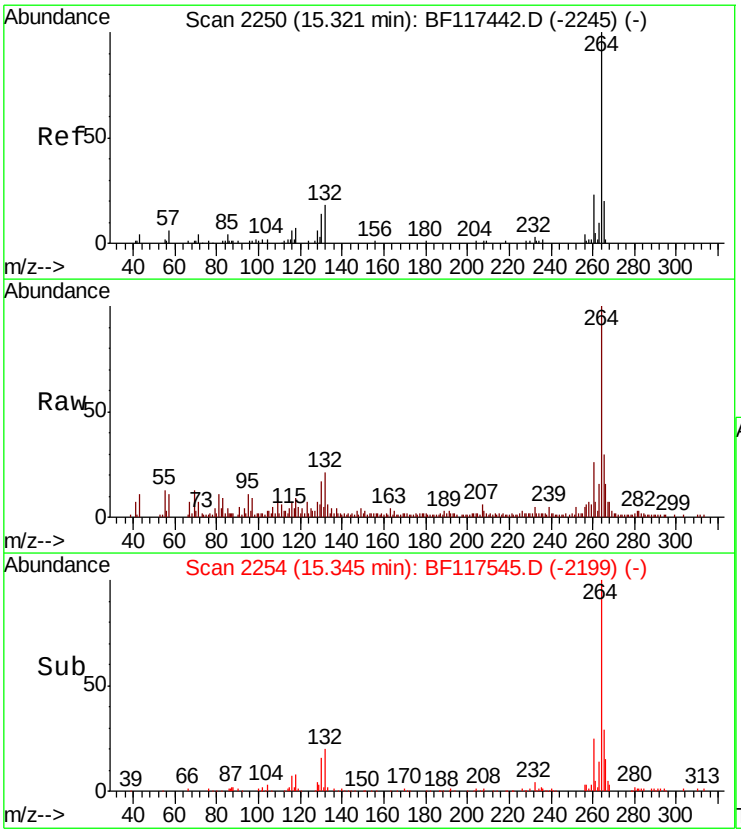
#86
Indeno(1,2,3-cd)pyrene
Concen: 73.585 ng
RT: 16.77 min Scan# 2497
Delta R.T. 0.04 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:276 Resp: 233398

Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.8	32.8
277	24.1	20.0	30.0

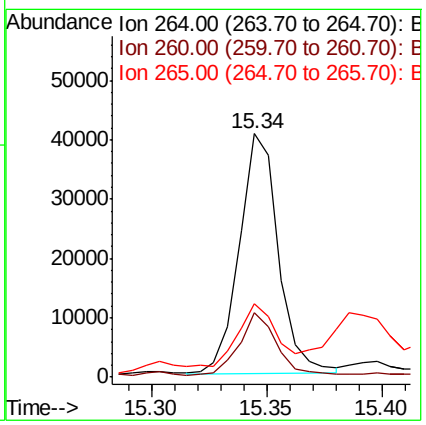


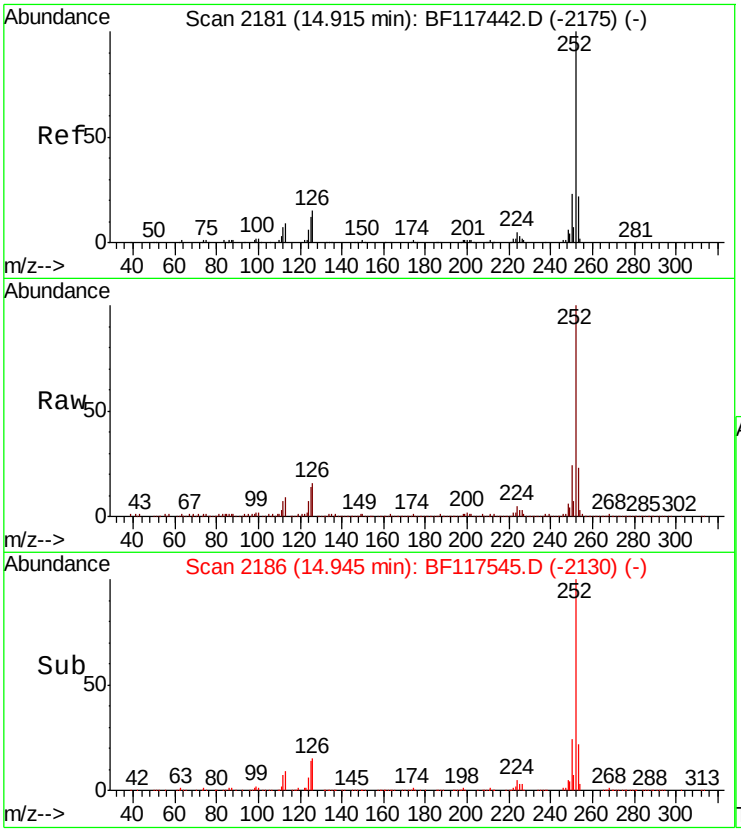


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.02 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:264 Resp: 48217

Ion	Ratio	Lower	Upper
264	100		
260	26.5	18.4	27.6
265	30.2	16.1	24.1#



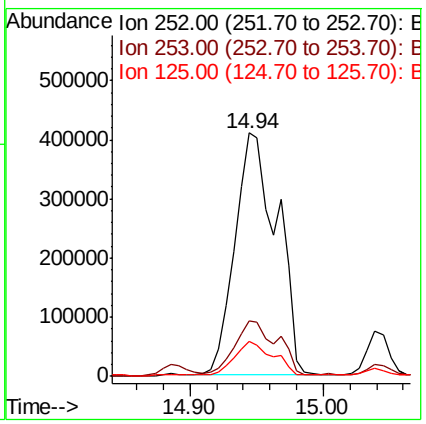


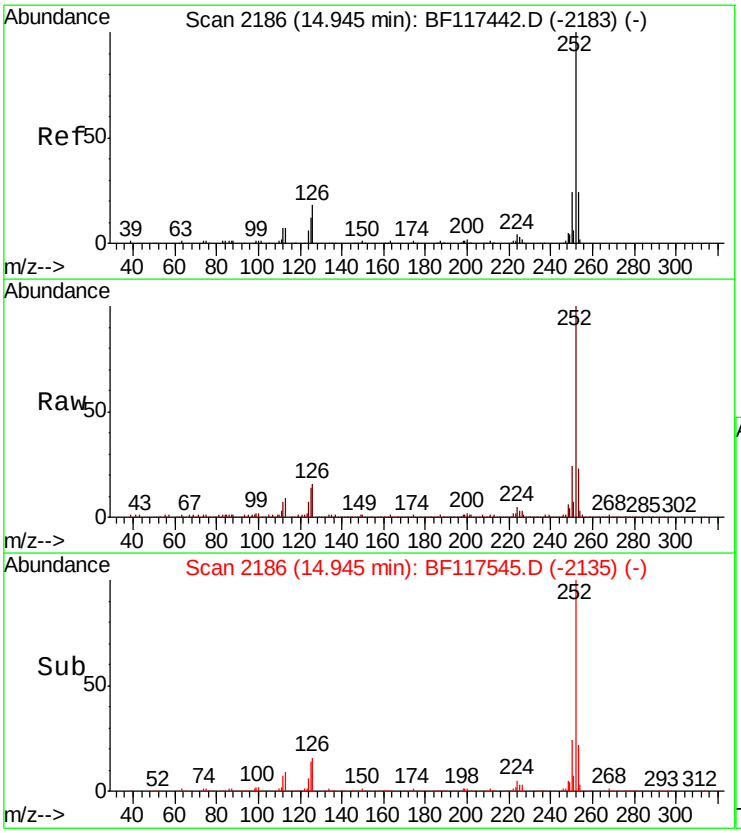
#88
Benzo(b)fluoranthene
Concen: 314.968 ng
RT: 14.94 min Scan# 2186
Delta R.T. 0.03 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:252 Resp: 896801

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	14.2	9.9	14.9

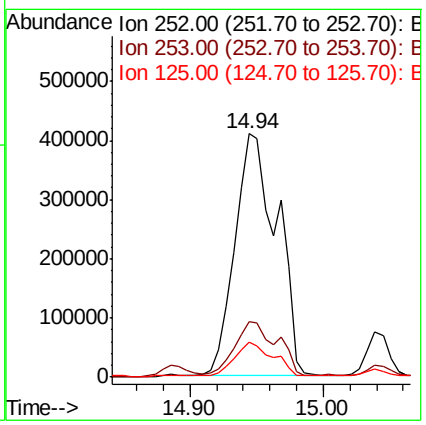


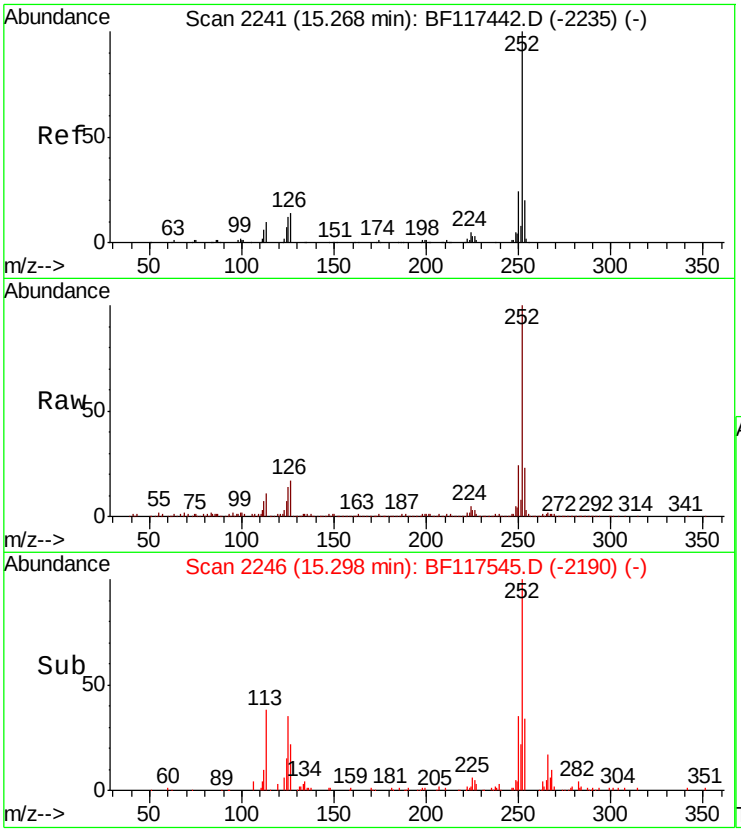


#89
Benzo(k)fluoranthene
Concen: 307.305 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.00 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:252 Resp: 896801

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	14.2	8.9	13.3#



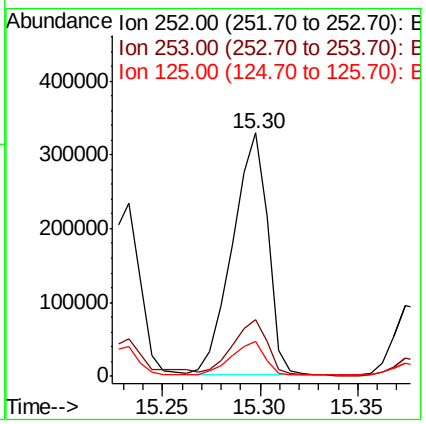


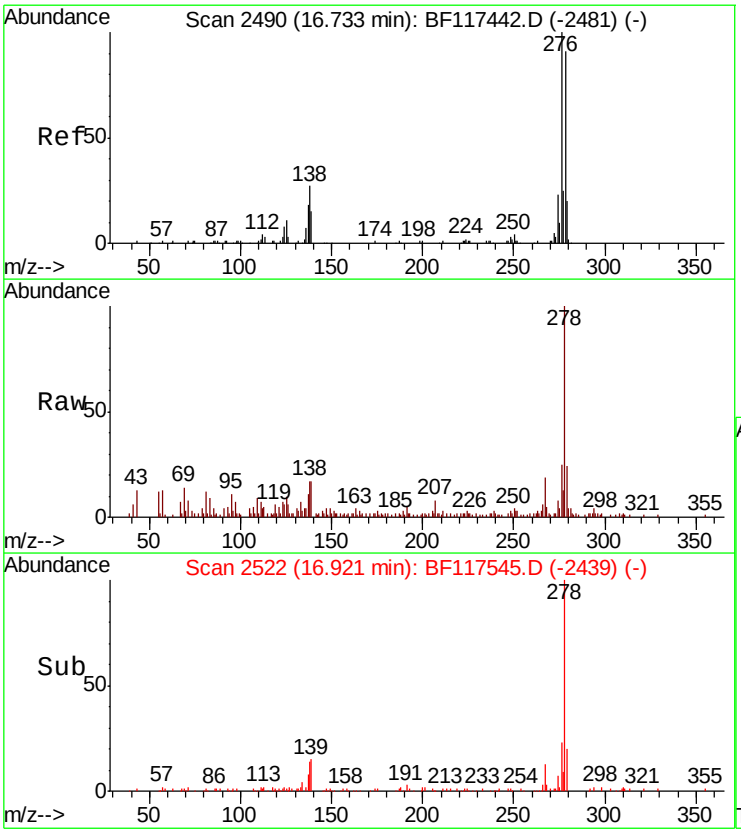
#90
Benzo(a)pyrene
Concen: 160.263 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.03 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:252 Resp: 414882

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.3	24.5
125	14.1	9.2	13.8#

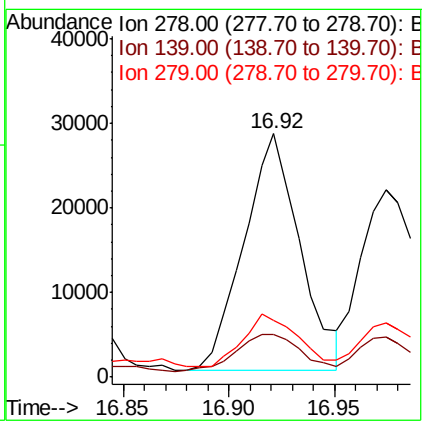


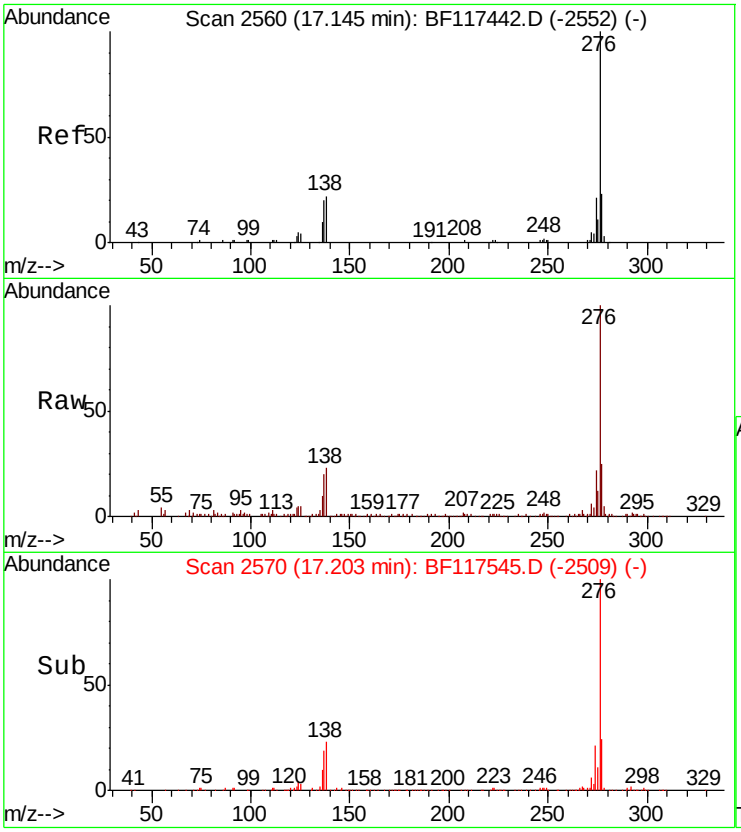


#91
Dibenzo(a,h)anthracene
Concen: 23.123 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.19 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Tgt Ion:278 Resp: 51759

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.4	20.0
279	23.5	17.8	26.6





#92
Benzo(g,h,i)perylene
Concen: 100.454 ng
RT: 17.20 min Scan# 2570
Delta R.T. 0.06 min
Lab File: BF117545.D
Acq: 25 Oct 2019 19:20

Instrument :
BNA_F
ClientSampleId :
177-44-(0-2.5)

Tgt Ion:276 Resp: 212756

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.4	27.6
138	23.1	17.8	26.6