Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 176-86-(0-2.5)

Quant Time: Oct 26 00:12:24 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	32457	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	129434	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	66654	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	97232	20.00	ng		0.00
76) Chrysene-d12	13.90	240	66132	20.00	ng		0.00
87) Perylene-d12	15.33	264	71268	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	213501	97.86	ng		0.00
7) Phenol-d6	6.39	99	305059	104.11	ng		0.00
23) Nitrobenzene-d5	7.29	82	183734	70.08	ng		-0.01
42) 2,4,6-Tribromophenol	10.56	330	53245	92.32	ng		0.00
45) 2-Fluorobiphenyl	9.08	172	275520	58.24	ng		-0.01
79) Terphenyl-d14	12.83	244	208609	51.45	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.40	94	7874	2.633	ng	#	56
19) n-Nitroso-di-n-propylamine	7.29	70	23595	13.185	ng	#	75
25) Isophorone	7.29	82	183732	40.509	ng	#	65
31) Naphthalene	8.03	128	15318	2.388	ng	#	96
49) Acenaphthylene	9.62	152	23045	3.771	ng		97
50) Dimethylphthalate	9.48	163	66383	13.970	ng		100
52) Acenaphthene	9.79	154	17840	4.758	ng		100
55) Dibenzofuran	9.97	168	18921	3.483	ng	#	97
56) 4-Nitrophenol	9.97	139	7540	17.042	ng	#	9
57) 2,4-Dinitrotoluene	9.76	165	8693	6.594	ng	#	12
58) Fluorene	10.31	166	29336	6.531	ng		96
67) 4-Bromophenyl-phenylether	10.56	248	3417	3.263	ng	#	1
71) Phenanthrene	11.27	178	419725	74.342	ng		99
72) Anthracene	11.33	178	81957	14.148	ng		97
73) Carbazole	11.49	167	37011	6.991	ng		99
75) Fluoranthene	12.47	202	592588	104.846	ng		99
77) Benzidine	12.83	184	3064	Below Cal		#	81
78) Pyrene	12.70	202	493210	86.827	ng		98
81) Benzo(a)anthracene	13.89	228	245593	55.055	ng		98
83) Chrysene	13.92	228	211576	48.394	ng		98
86) Indeno(1,2,3-cd)pyrene	16.74	276	103362	31.666	ng		97
88) Benzo(b)fluoranthene	14.93	252	362086	86.038	ng		99
89) Benzo(k)fluoranthene	14.93	252	362086	83.944	ng		98
90) Benzo(a)pyrene	15.27	252	186022	48.616	ng		95
91) Dibenzo(a,h)anthracene	16.74	278	24757	7.483	ng	#	87
92) Benzo(g,h,i)perylene	17.42	276	17880	5.712	ng		94

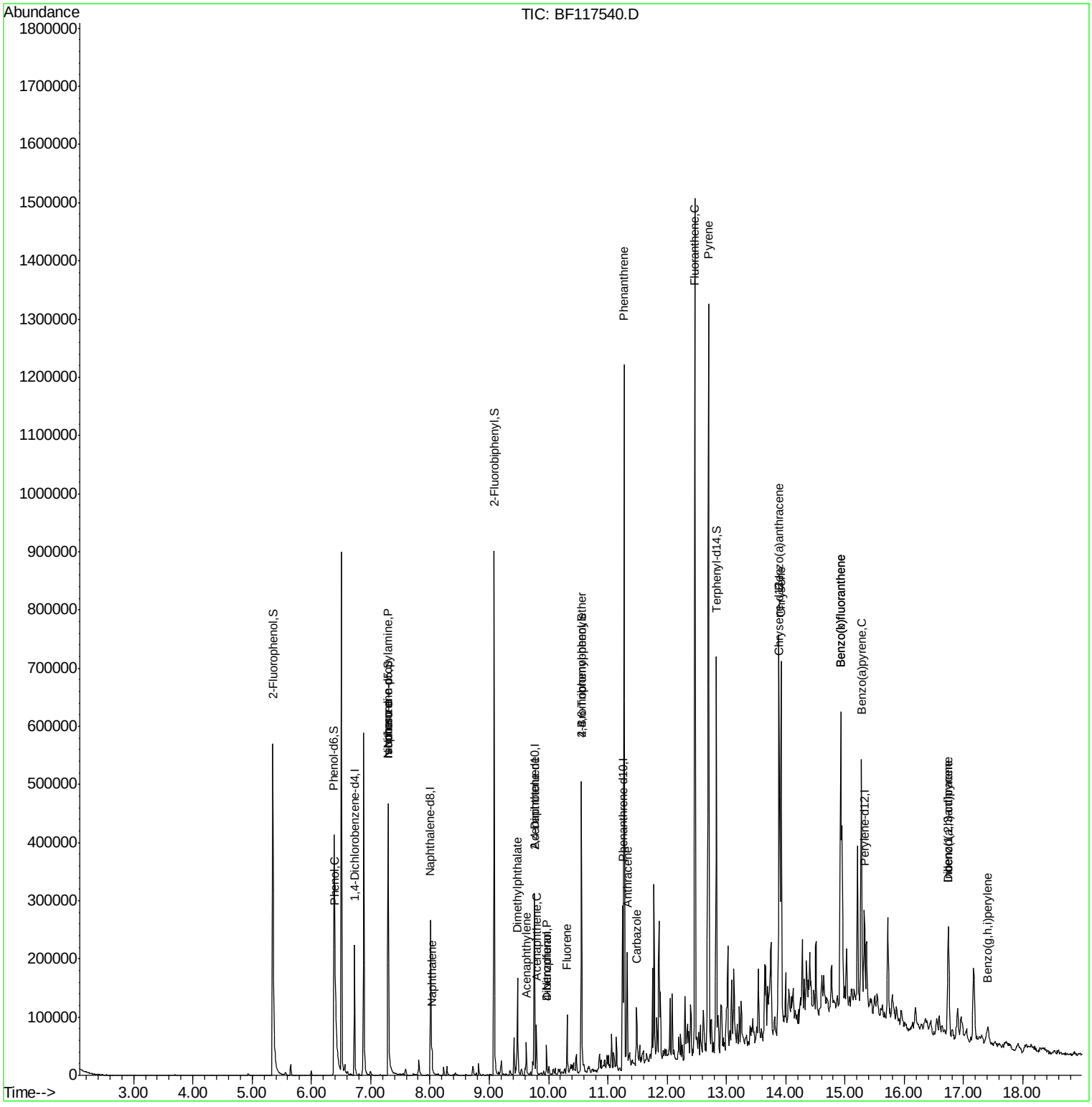
(#) = qualifier out of range (m) = manual integration (+) = signals summed

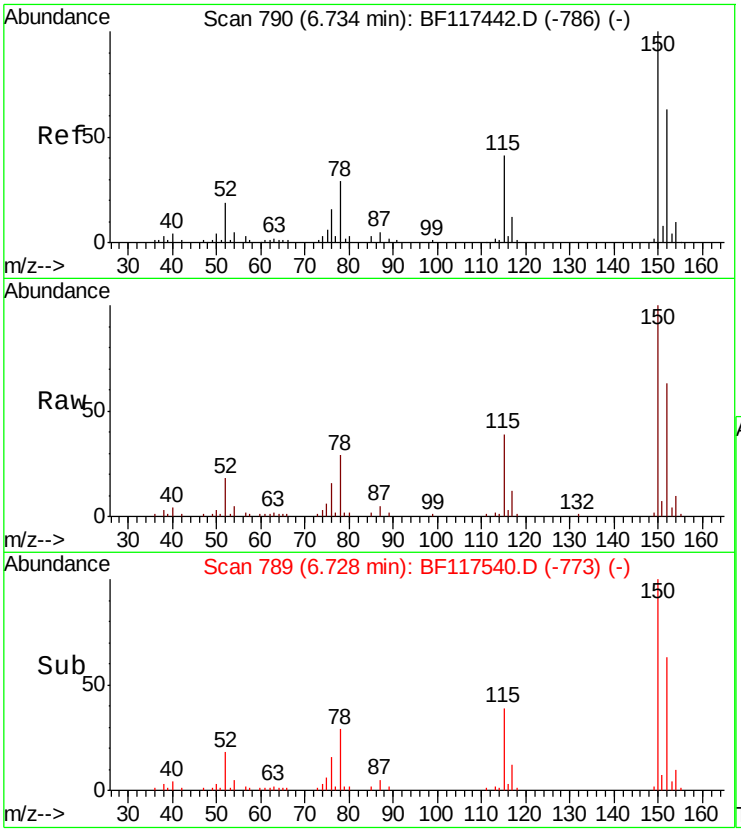
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102519\
Data File : BF117540.D
Acq On : 25 Oct 2019 17:06
Operator : JU
Sample : K5502-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Quant Time: Oct 26 00:12:24 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



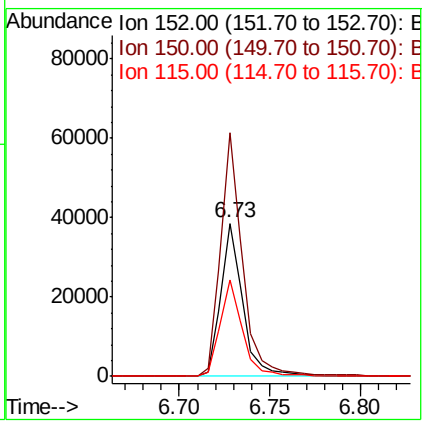


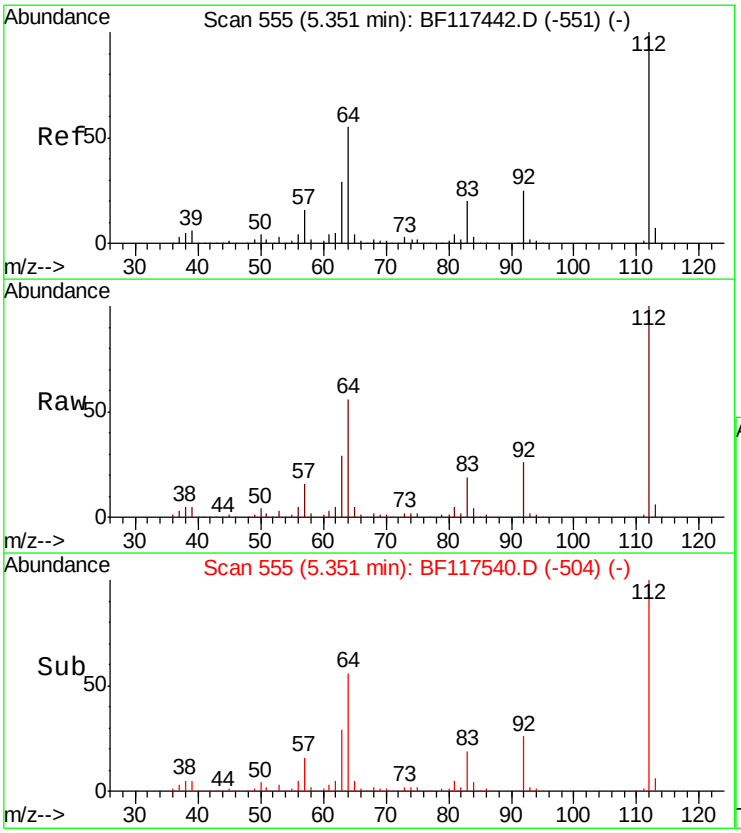
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:152 Resp: 32457

Ion	Ratio	Lower	Upper
152	100		
150	158.7	126.8	190.2
115	62.5	51.6	77.4

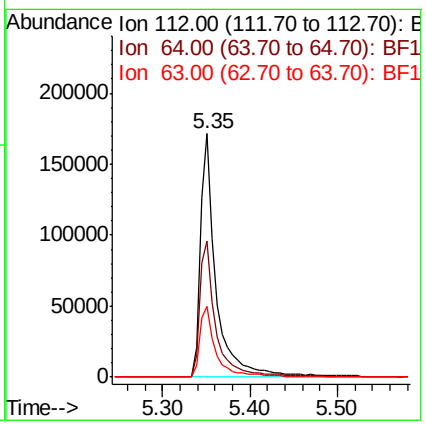


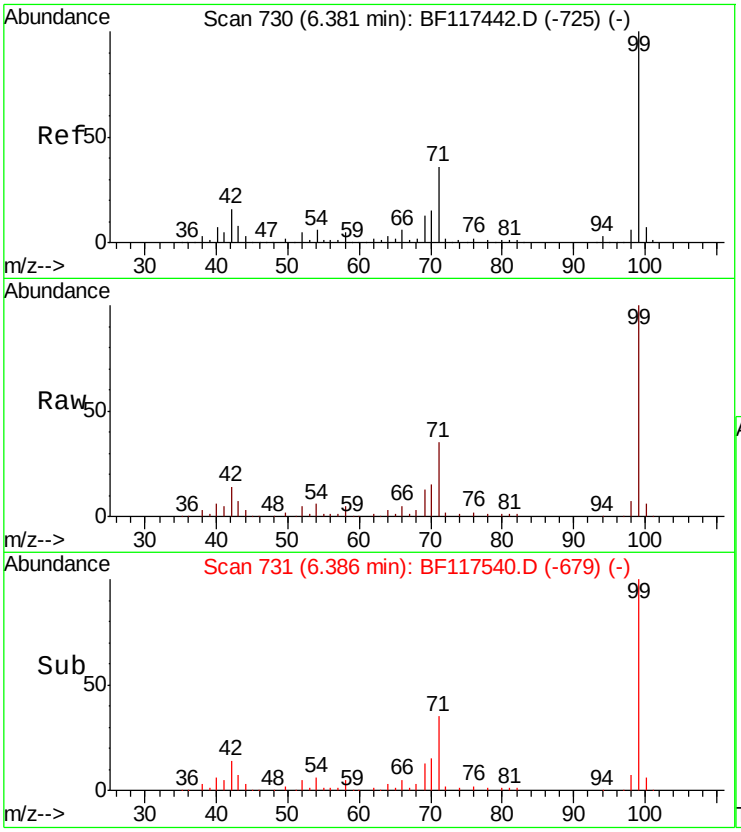


#5
2-Fluorophenol
Concen: 97.861 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:112 Resp: 213501

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.1	66.1
63	28.9	23.4	35.2



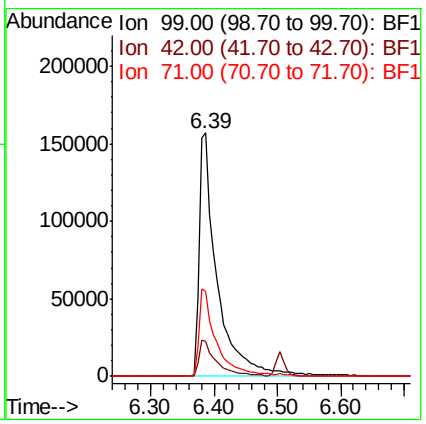


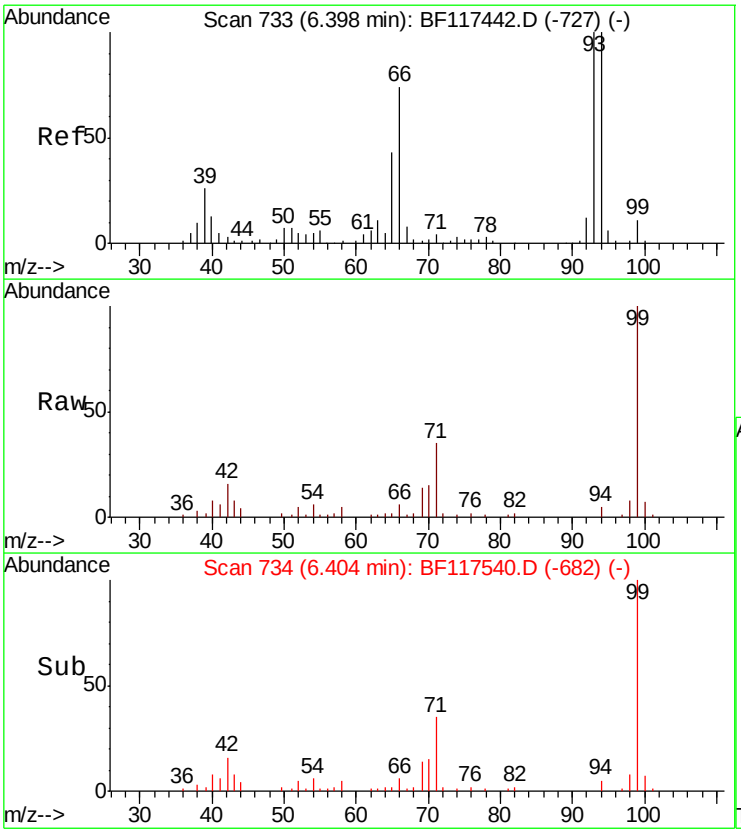
#7
Phenol-d6
Concen: 104.107 ng
RT: 6.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion: 99 Resp: 305059

Ion	Ratio	Lower	Upper
99	100		
42	14.2	12.8	19.2
71	35.1	28.6	43.0

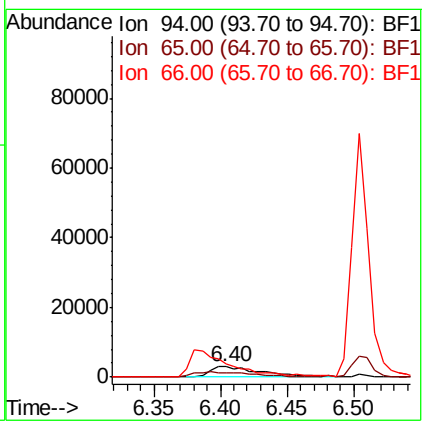


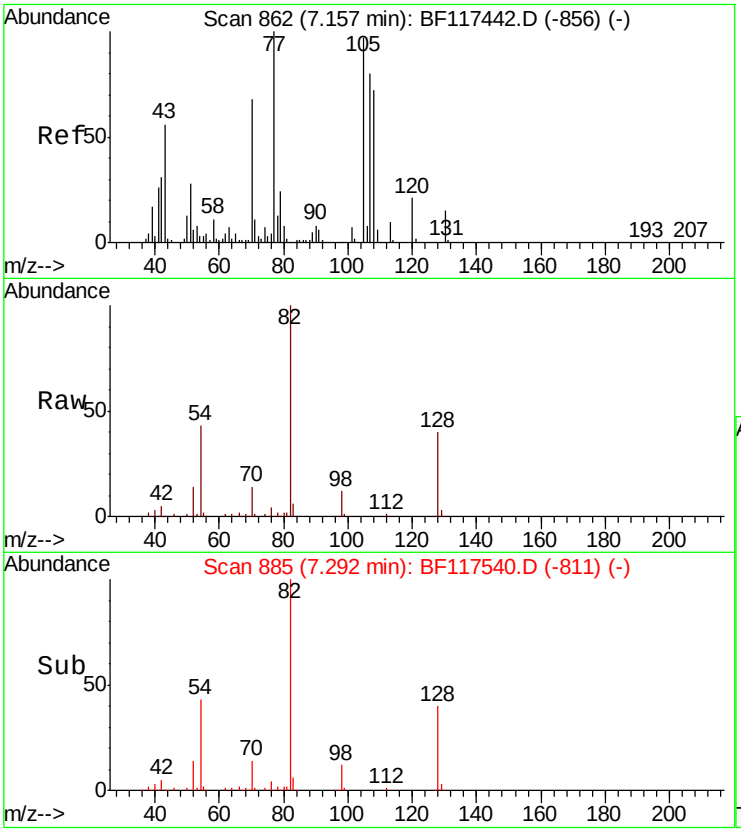


#10
Phenol
Concen: 2.633 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion: 94 Resp: 7874

Ion	Ratio	Lower	Upper
94	100		
65	40.4	23.4	63.4
66	131.9	54.7	94.7#



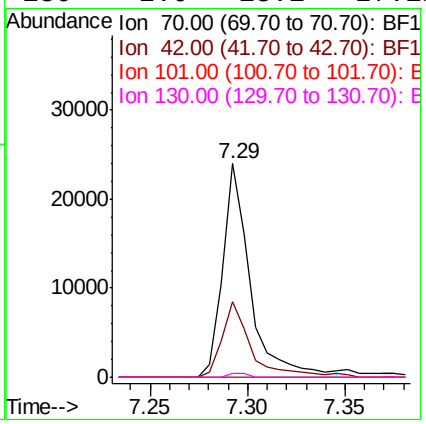


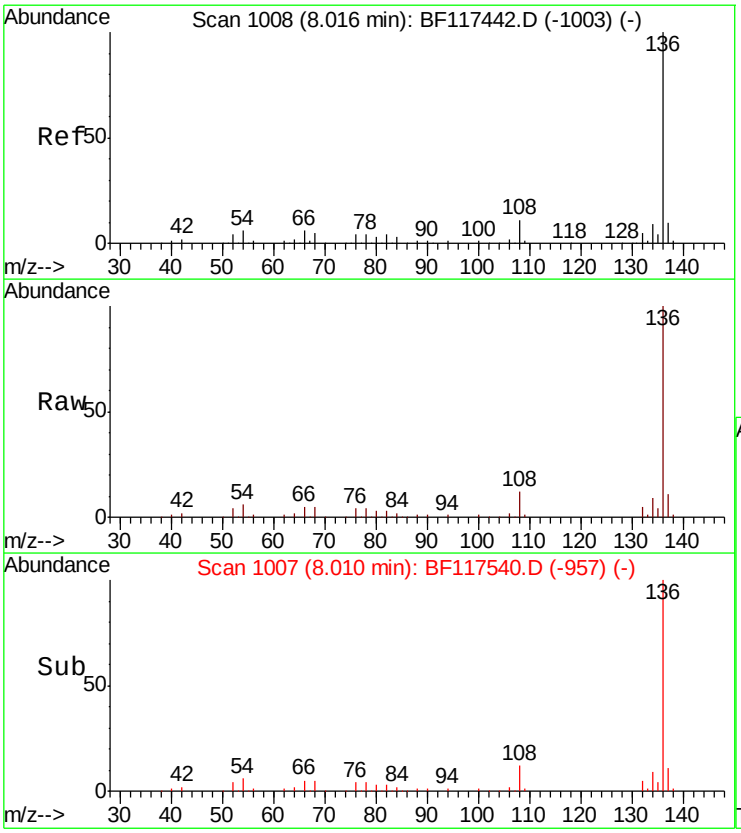
#19
n-Nitroso-di-n-propylamine
Concen: 13.185 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion: 70 Resp: 23595

Ion	Ratio	Lower	Upper
70	100		
42	35.2	36.7	55.1#
101	0.0	8.3	12.5#
130	2.0	18.1	27.1#

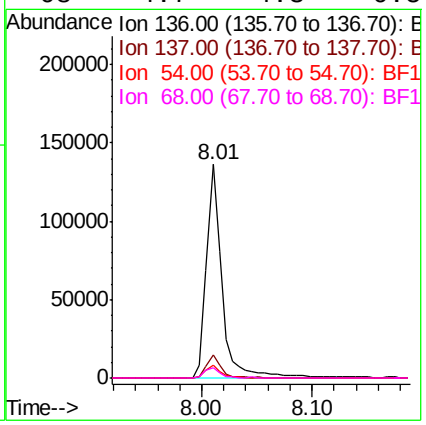


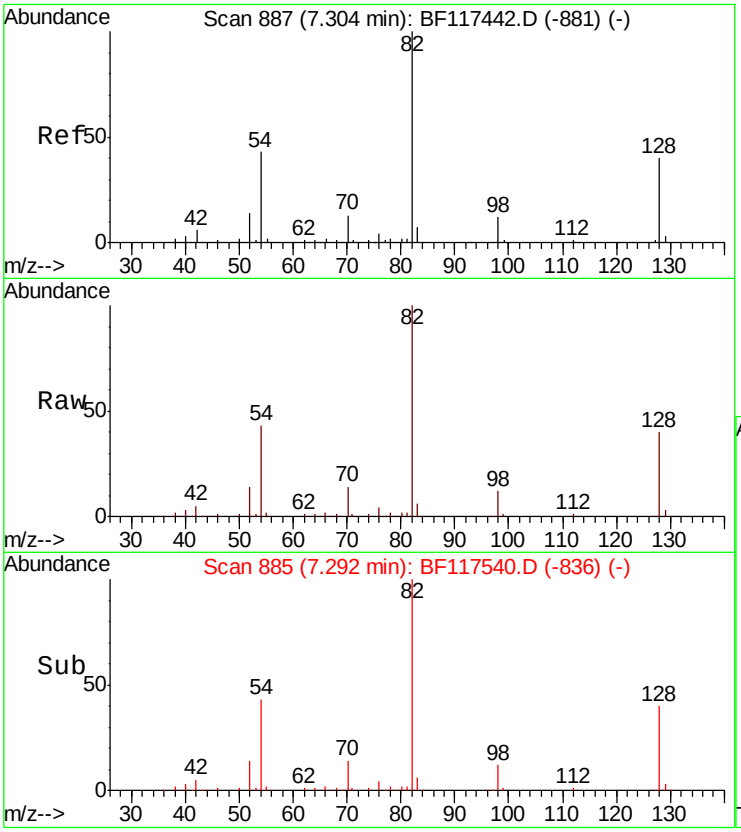


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:136 Resp: 129434

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	5.9	4.5	6.7
68	4.7	4.3	6.5



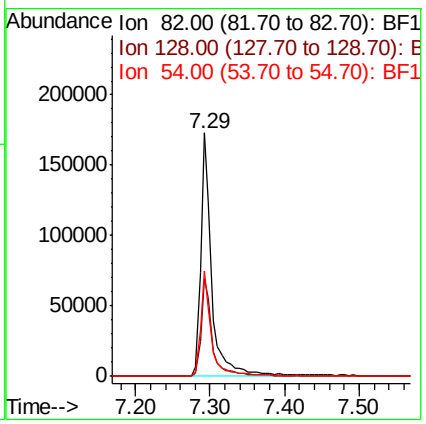


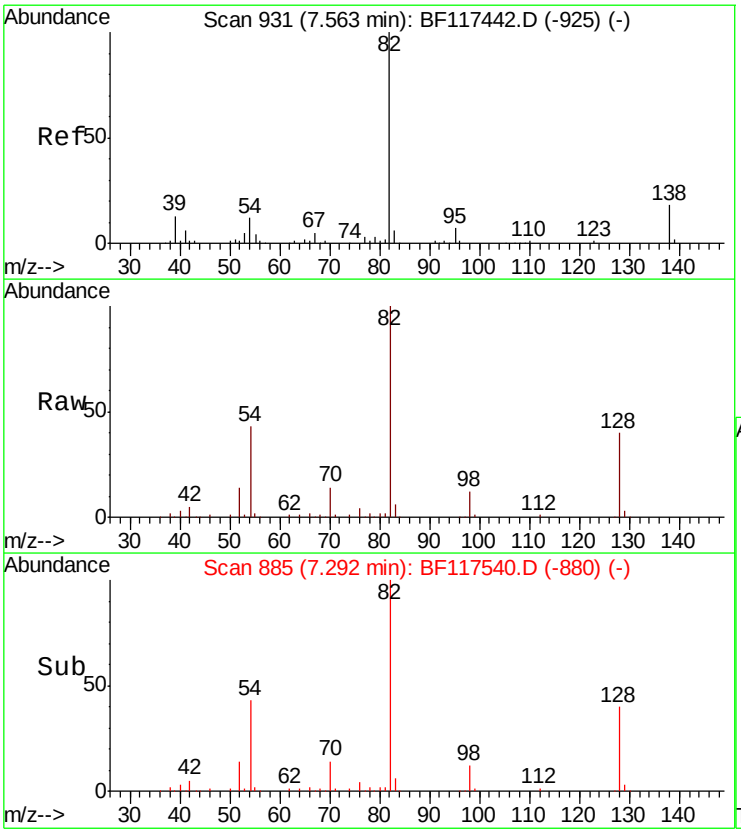
#23
Nitrobenzene-d5
Concen: 70.079 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion: 82 Resp: 183734

Ion	Ratio	Lower	Upper
82	100		
128	40.3	32.2	48.2
54	43.2	34.2	51.2

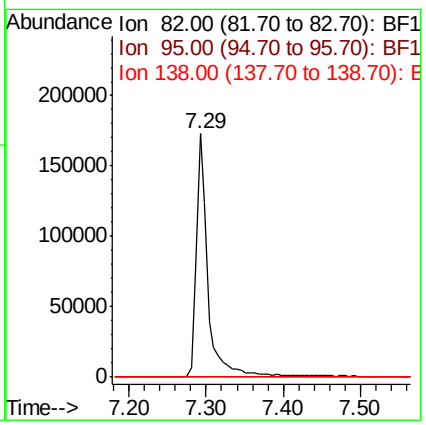


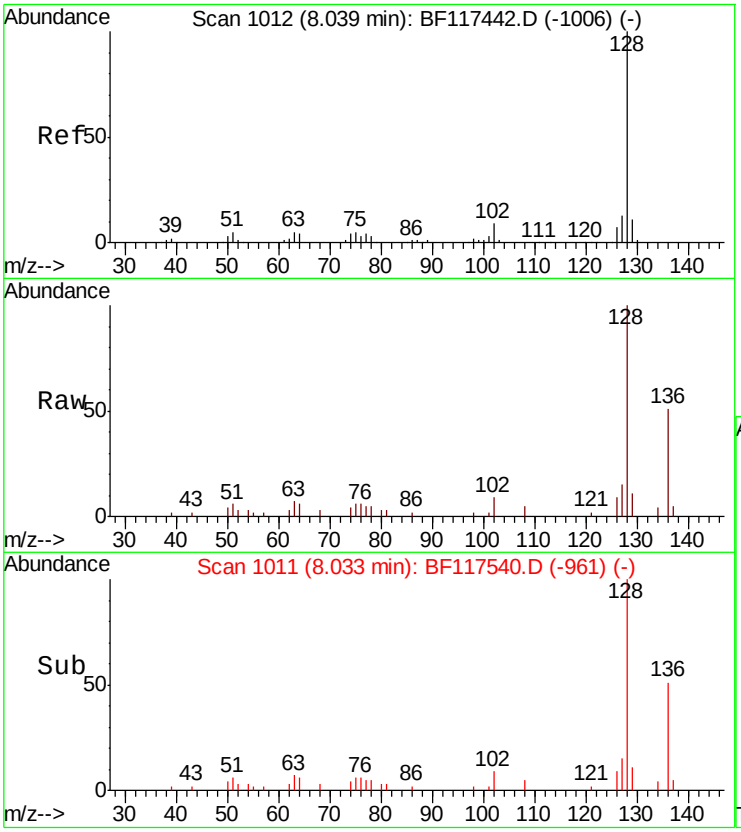


#25
Isophorone
Concen: 40.509 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion: 82 Resp: 183732

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



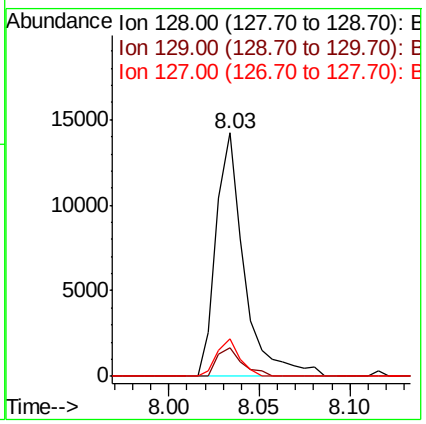


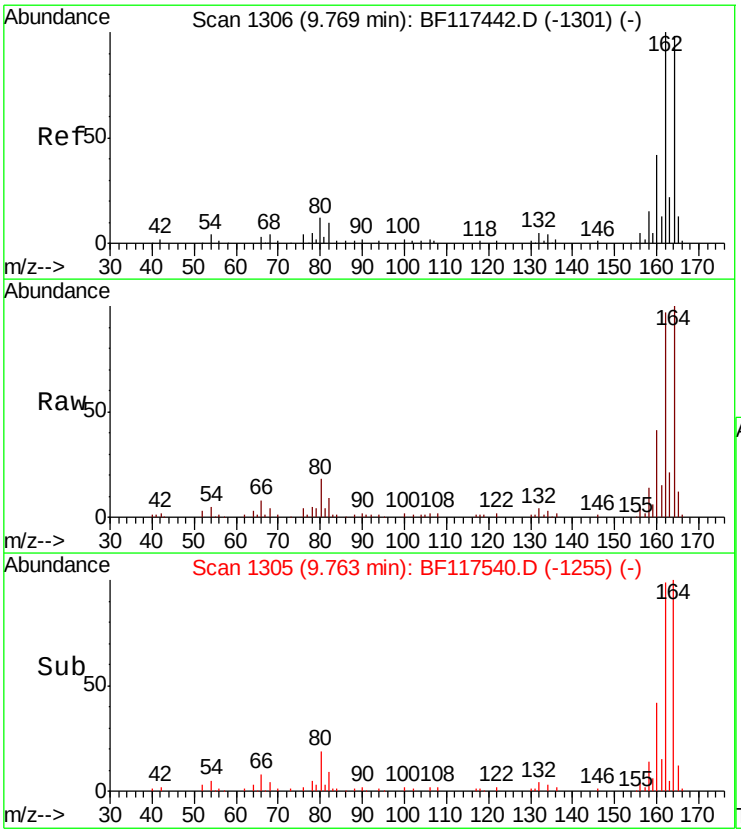
#31
Naphthalene
Concen: 2.388 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:128 Resp: 15318

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.4
127	15.3	10.2	15.2#

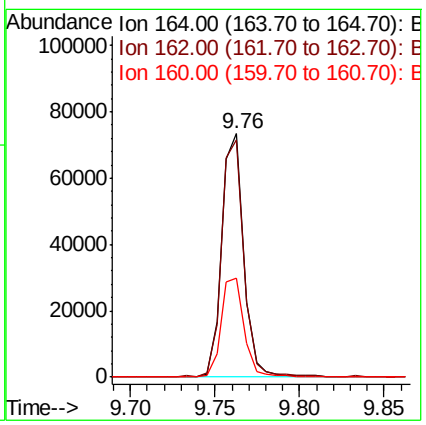


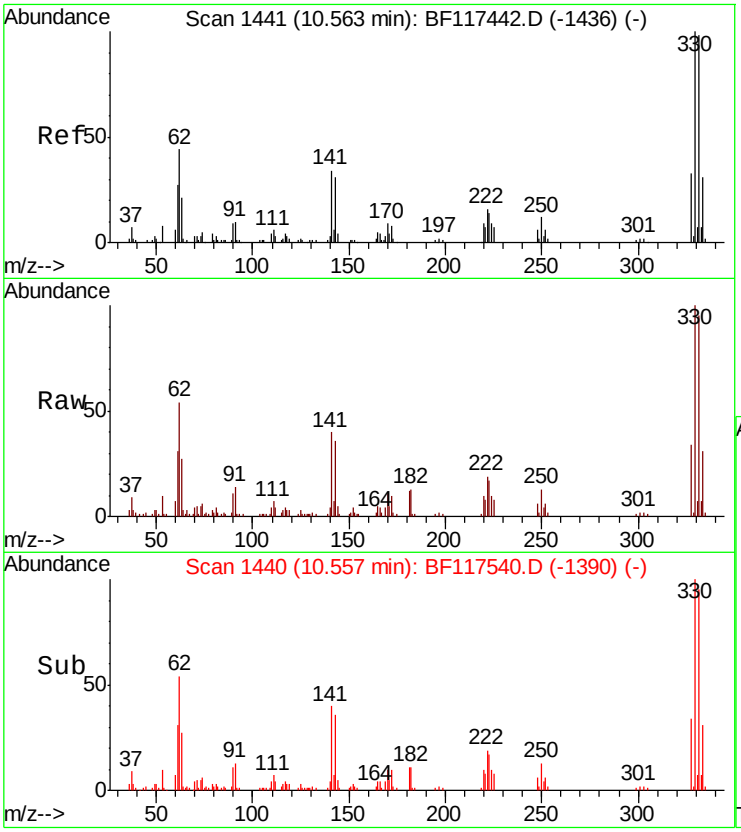


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:164 Resp: 66654

Ion	Ratio	Lower	Upper
164	100		
162	97.3	81.8	122.6
160	40.9	34.4	51.6



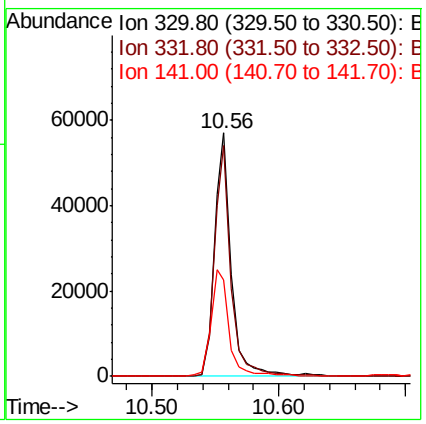


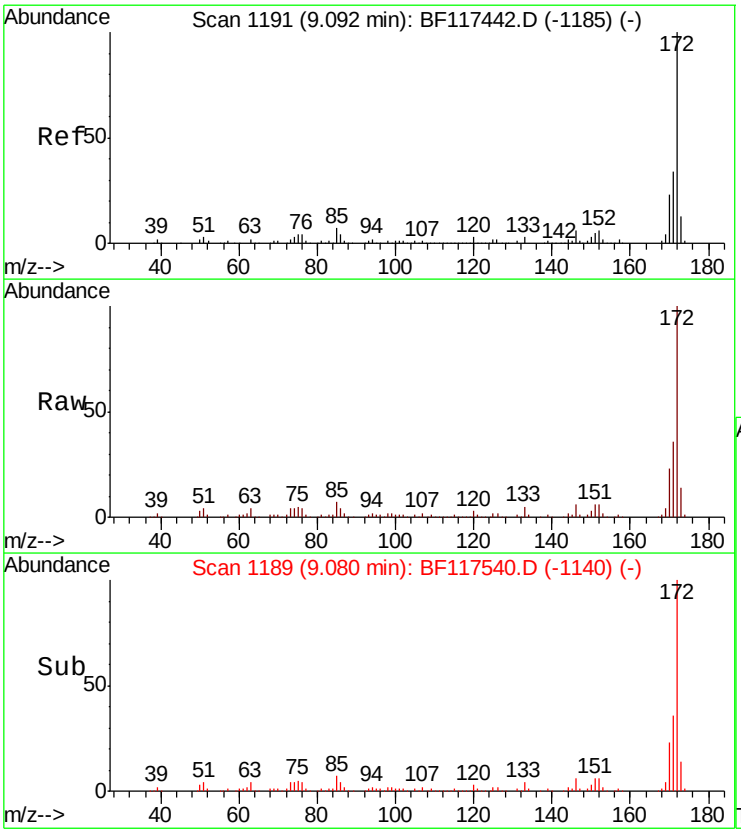
#42
2,4,6-Tribromophenol
Concen: 92.322 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:330 Resp: 53245

Ion	Ratio	Lower	Upper
330	100		
332	93.8	78.5	117.7
141	47.7	37.0	55.6

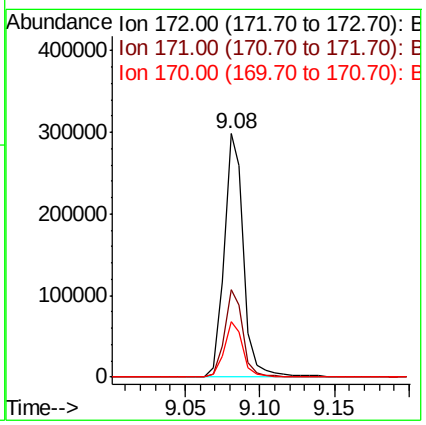


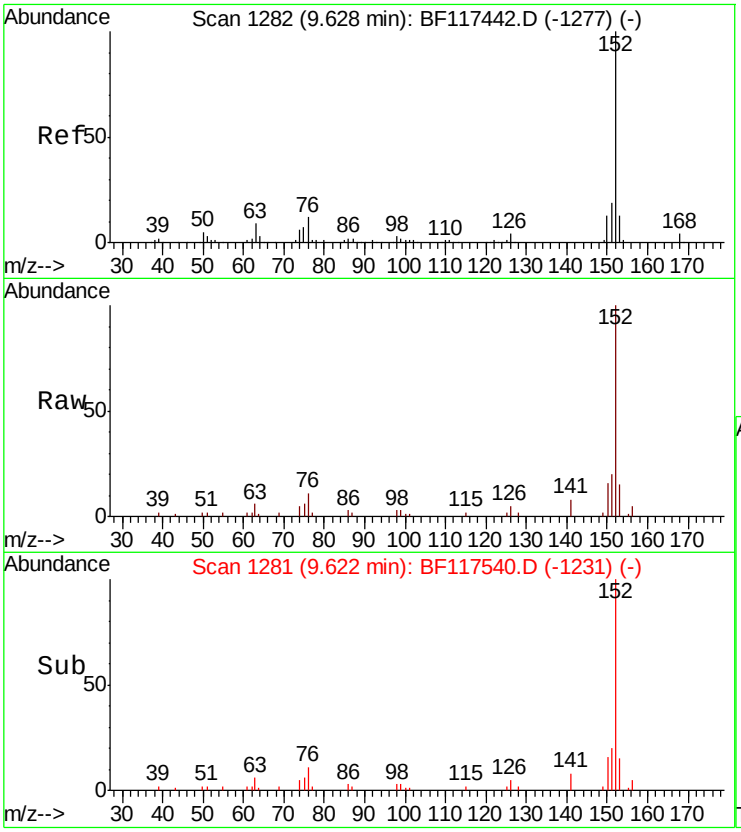


#45
2-Fluorobiphenyl
Concen: 58.242 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:172 Resp: 275520

Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.5	41.3
170	23.0	18.6	27.8



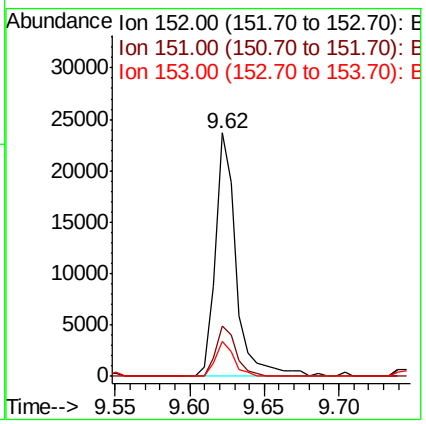


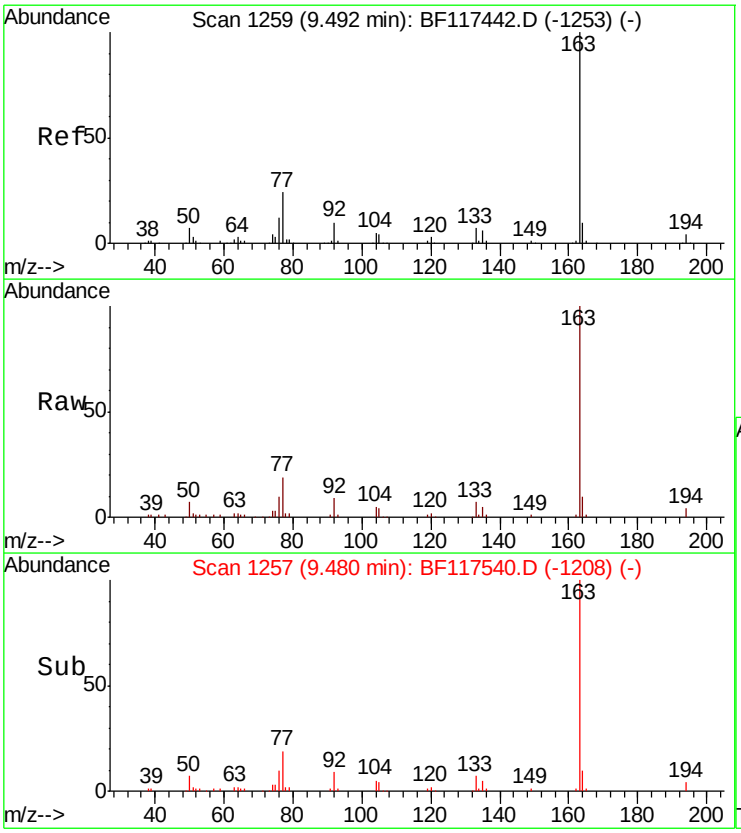
#49
Acenaphthylene
Concen: 3.771 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:152 Resp: 23045

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.0
153	14.6	10.3	15.5

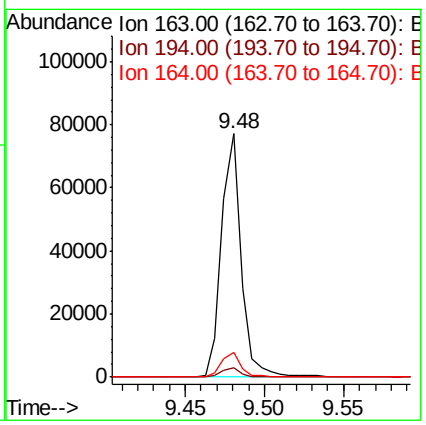


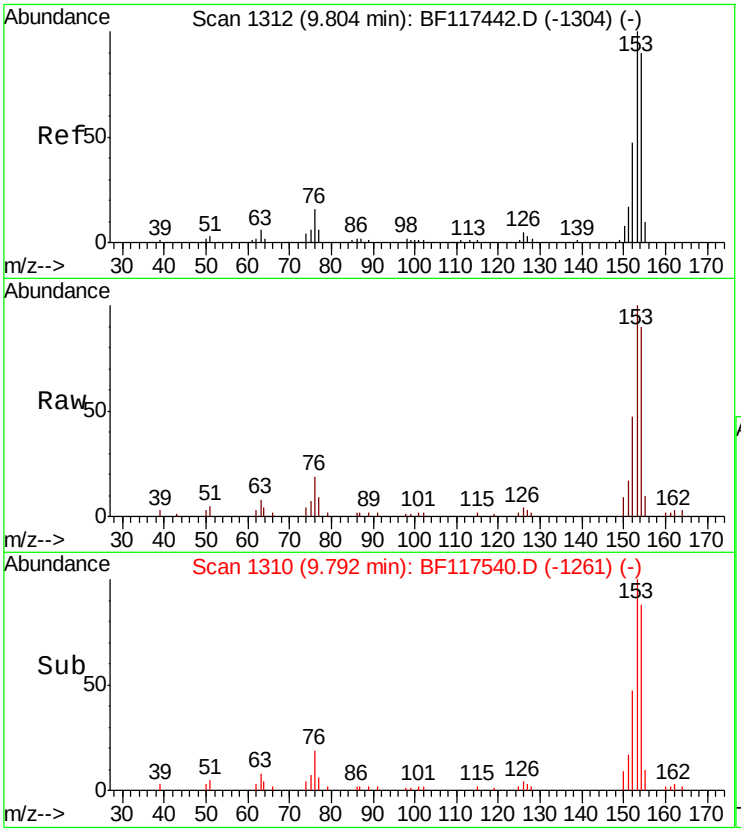


#50
Dimethylphthalate
Concen: 13.970 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:163 Resp: 66383

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.9	4.3
164	10.0	8.2	12.2



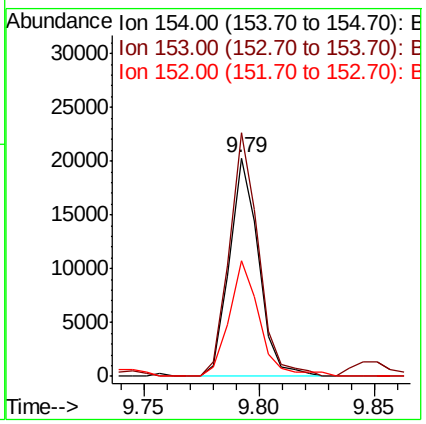


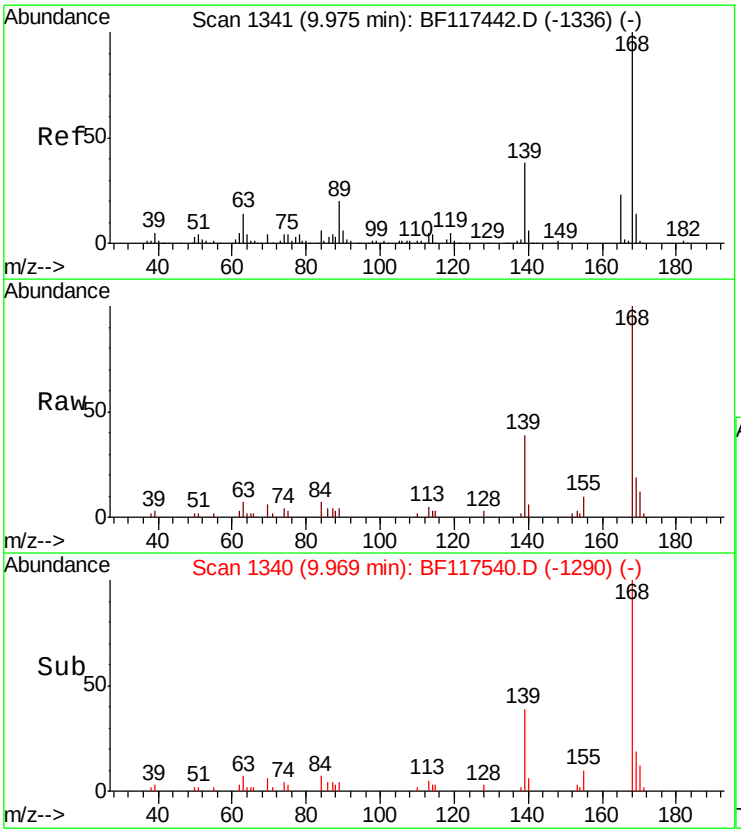
#52
Acenaphthene
Concen: 4.758 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:154 Resp: 17840

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.2	133.8
152	53.0	41.8	62.6

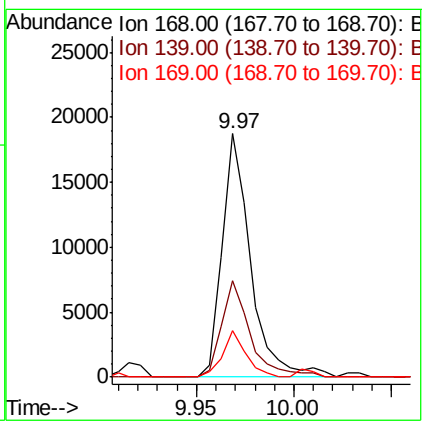


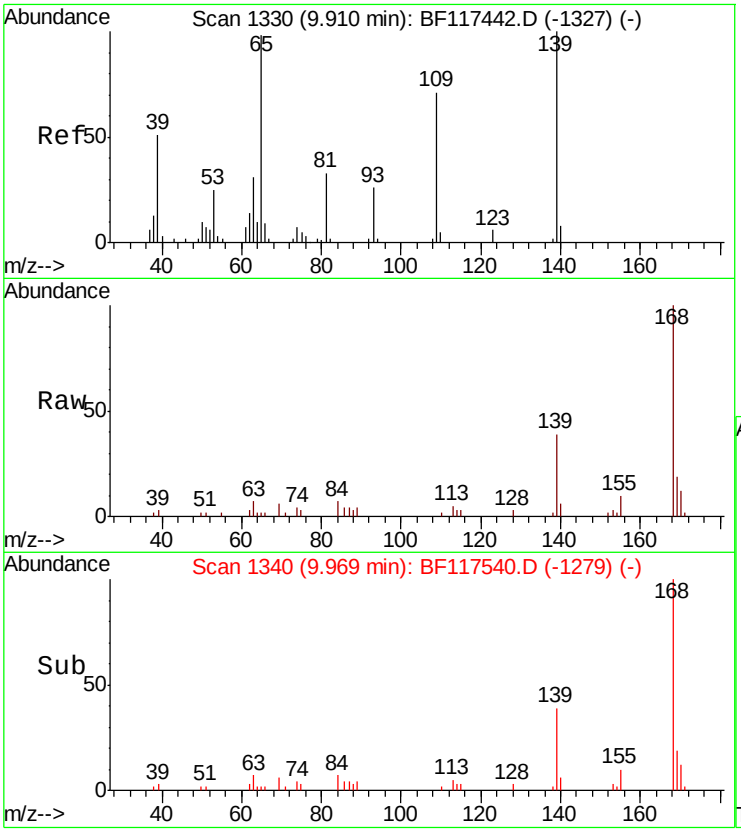


#55
Dibenzofuran
Concen: 3.483 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:168 Resp: 18921

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.8	47.6
169	18.9	11.2	16.8#



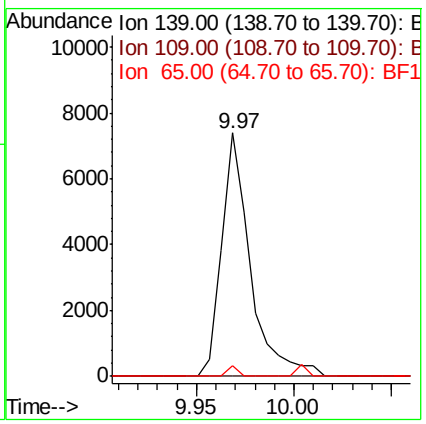


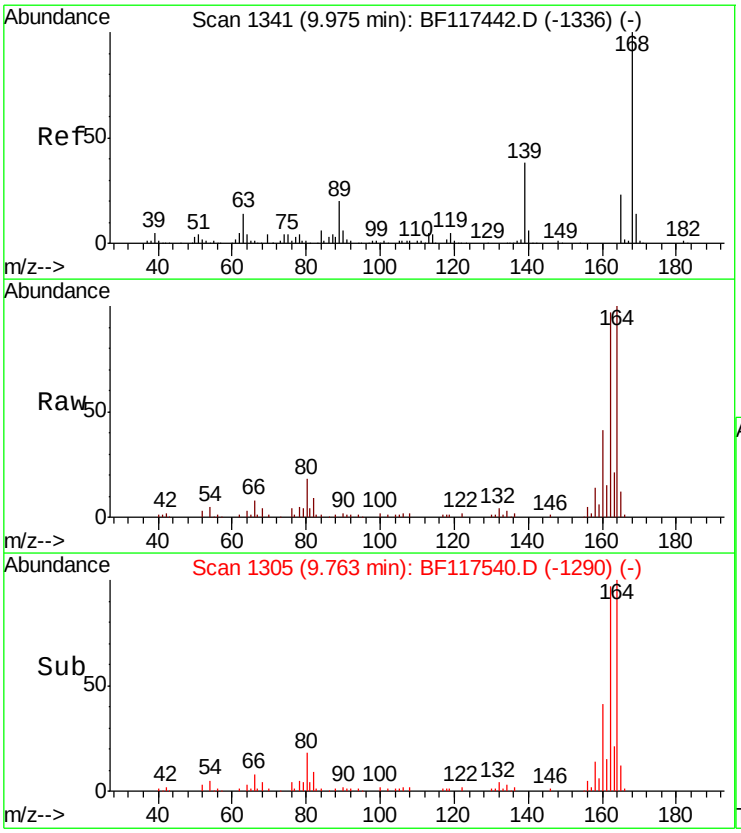
#56
4-Nitrophenol
Concen: 17.042 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:139 Resp: 7540

Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	4.4	79.4	119.4#

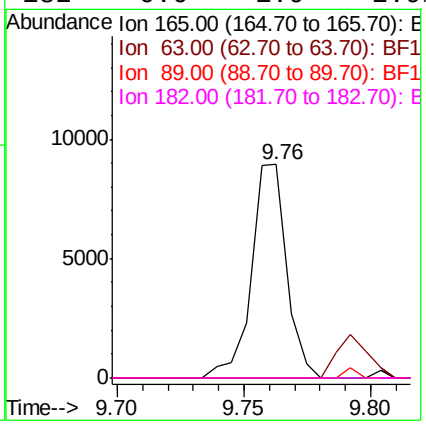


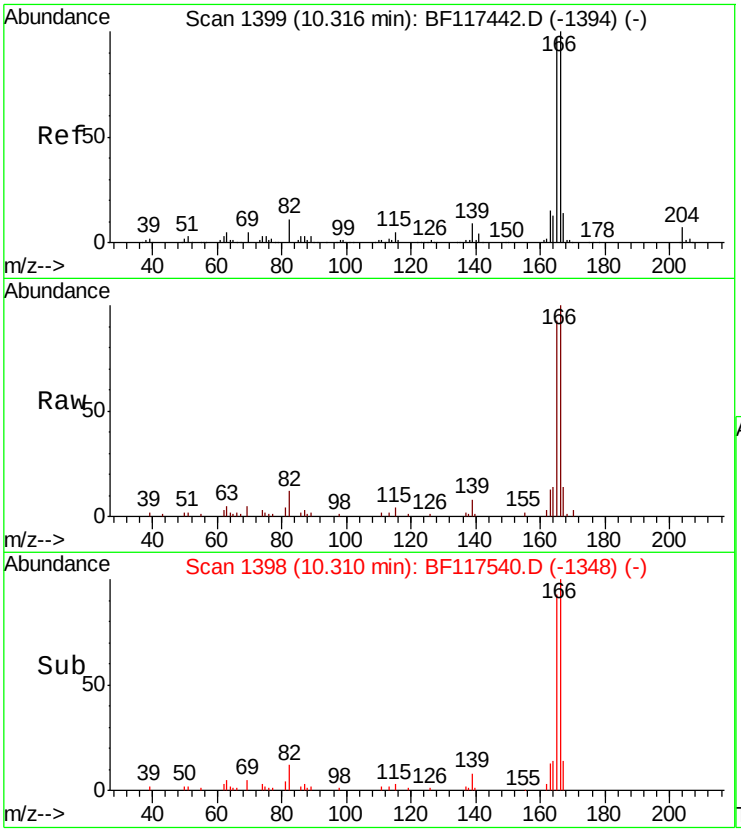


#57
2,4-Dinitrotoluene
Concen: 6.594 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:165 Resp: 8693

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#



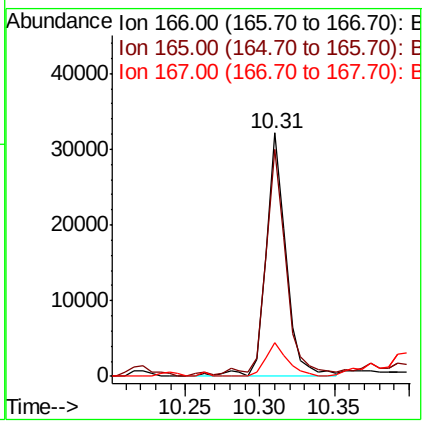


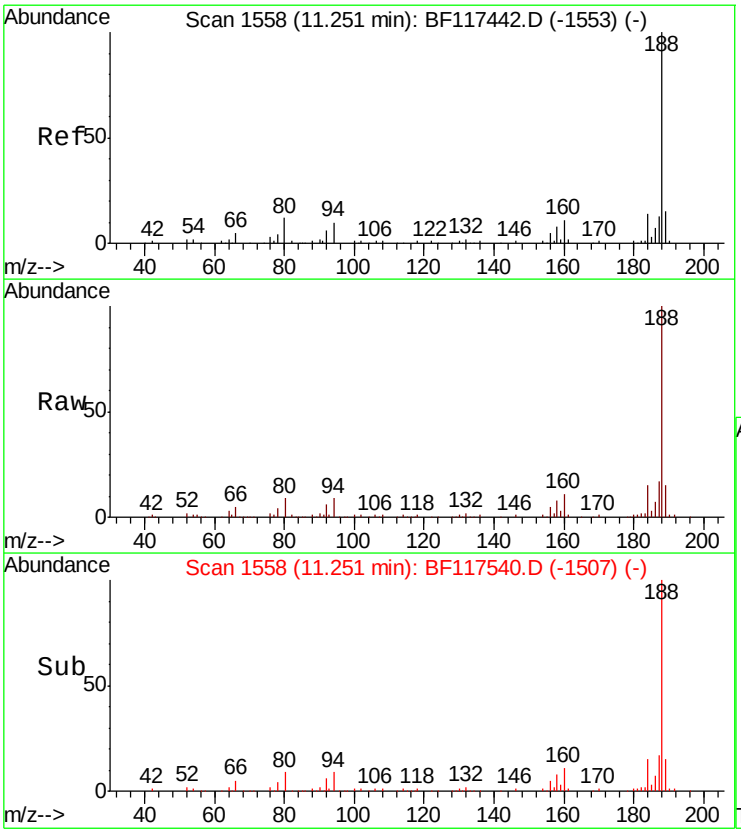
#58
Fluorene
Concen: 6.531 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:166 Resp: 29336

Ion	Ratio	Lower	Upper
166	100		
165	93.0	77.6	116.4
167	13.7	11.0	16.4

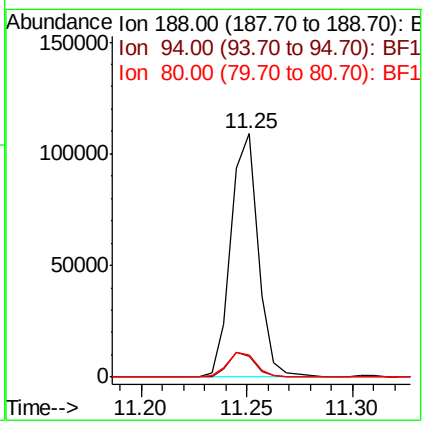


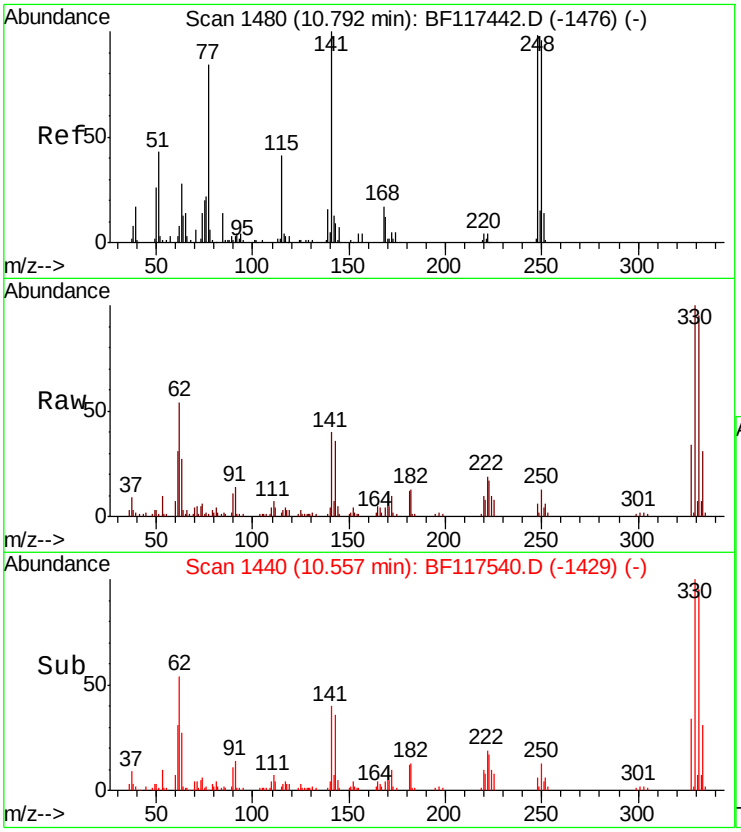


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:188 Resp: 97232

Ion	Ratio	Lower	Upper
188	100		
94	8.7	8.0	12.0
80	9.2	9.5	14.3#



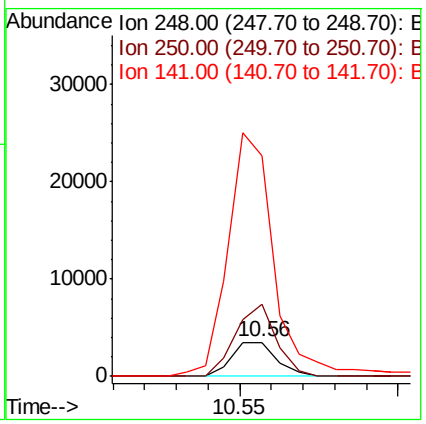


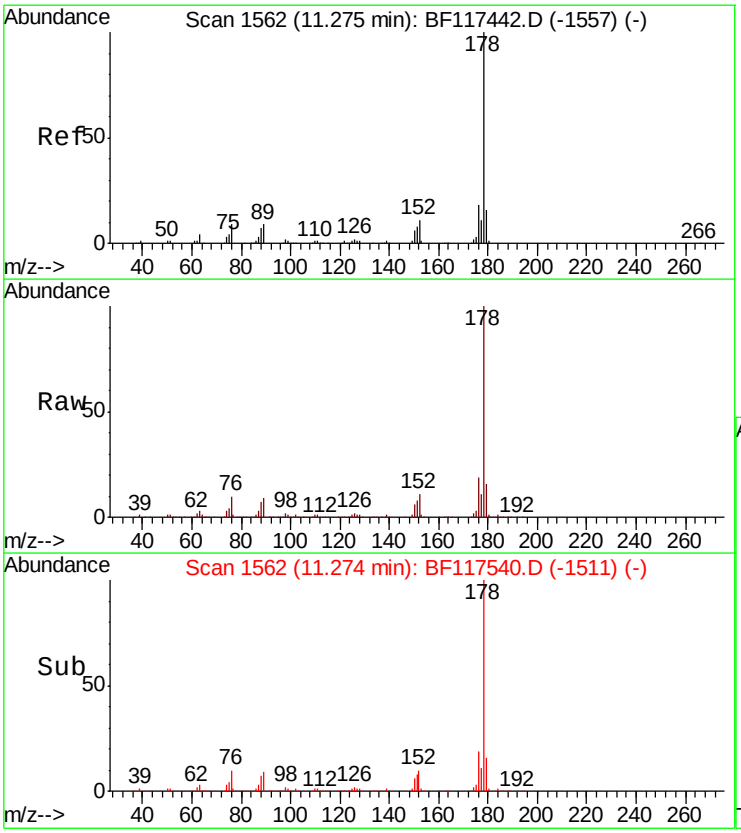
#67
4-Bromophenyl-phenylether
Concen: 3.263 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:248 Resp: 3417

Ion	Ratio	Lower	Upper
248	100		
250	209.6	78.0	117.0#
141	644.9	81.7	122.5#

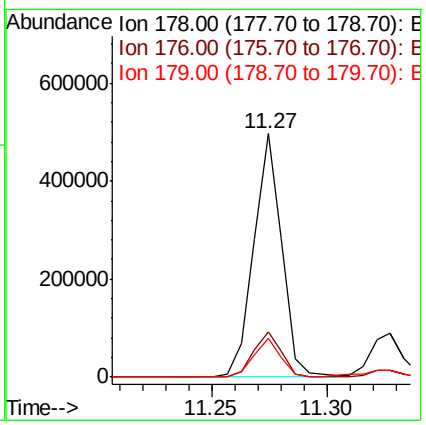


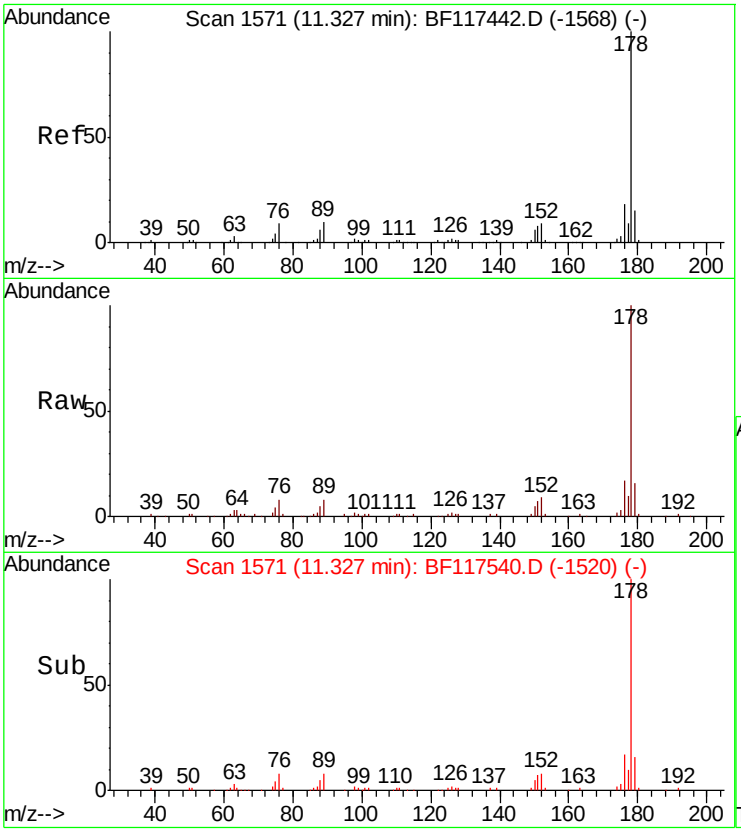


#71
Phenanthrene
Concen: 74.342 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:178 Resp: 419725

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.9	12.6	19.0



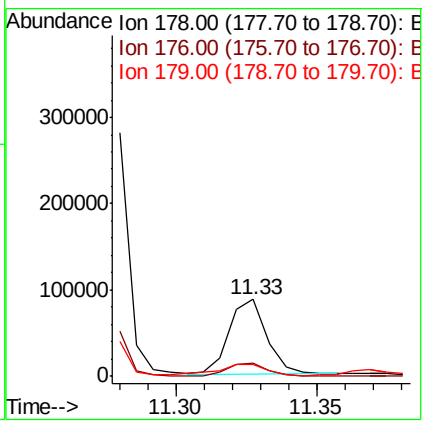


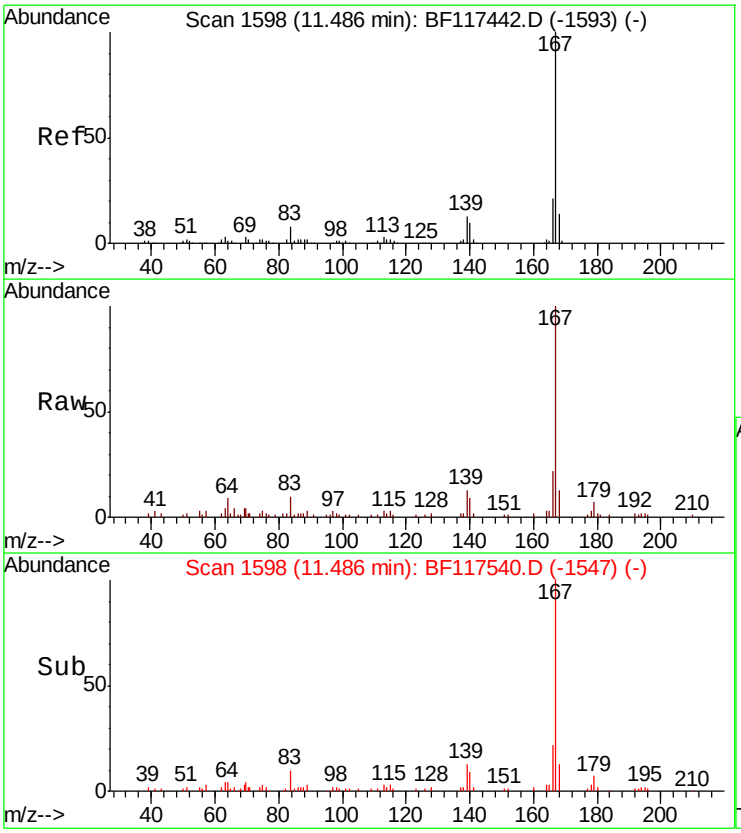
#72
Anthracene
Concen: 14.148 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:178 Resp: 81957

Ion	Ratio	Lower	Upper
178	100		
176	16.8	14.7	22.1
179	15.8	12.2	18.2

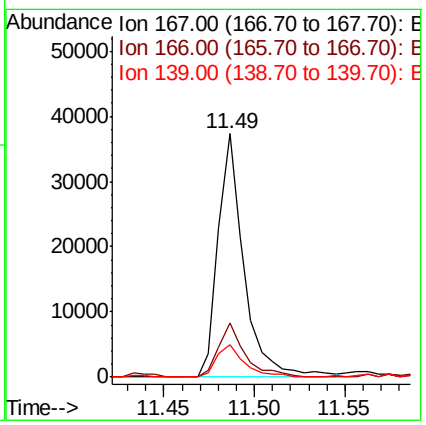


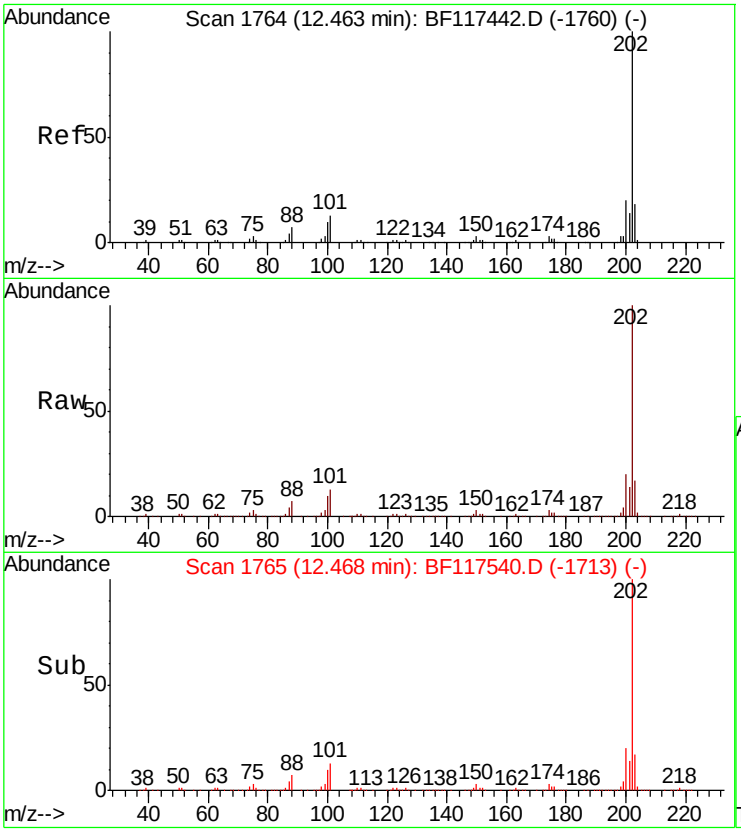


#73
Carbazole
Concen: 6.991 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:167 Resp: 37011

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.0	25.6
139	13.5	10.6	16.0



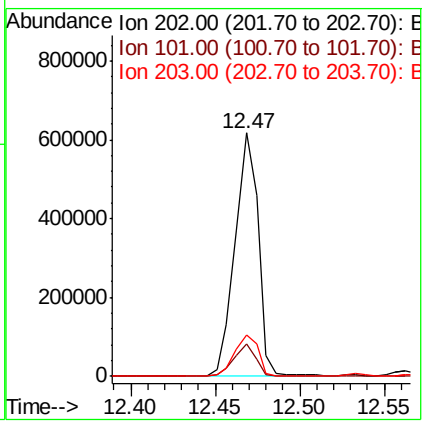


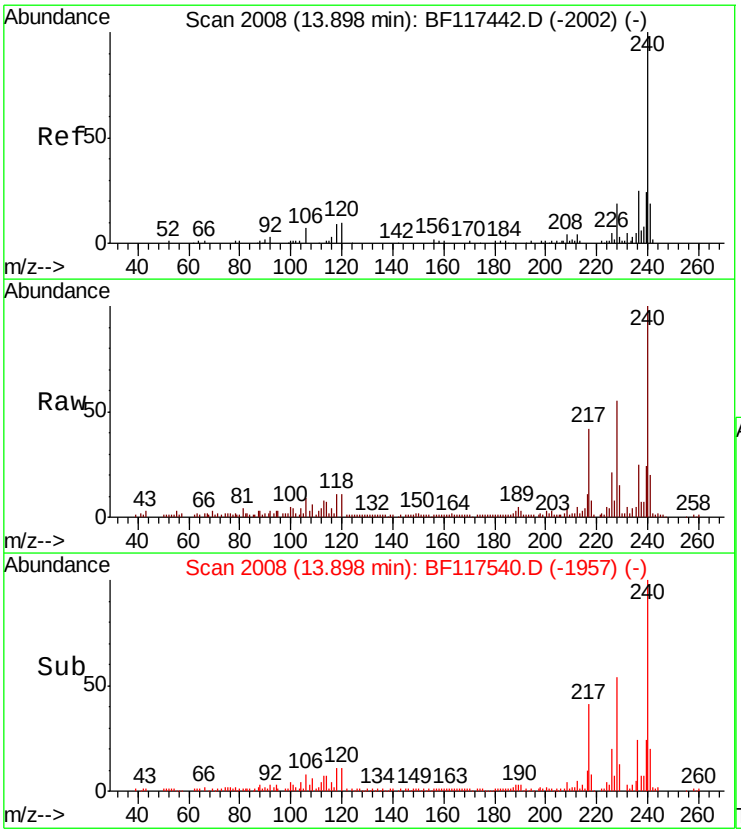
#75
Fluoranthene
Concen: 104.846 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:202 Resp: 592588

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	32.7
203	17.2	0.0	37.6

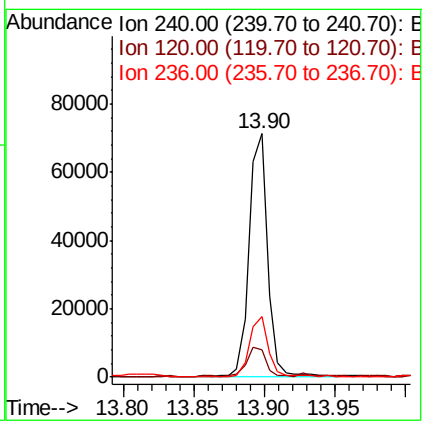


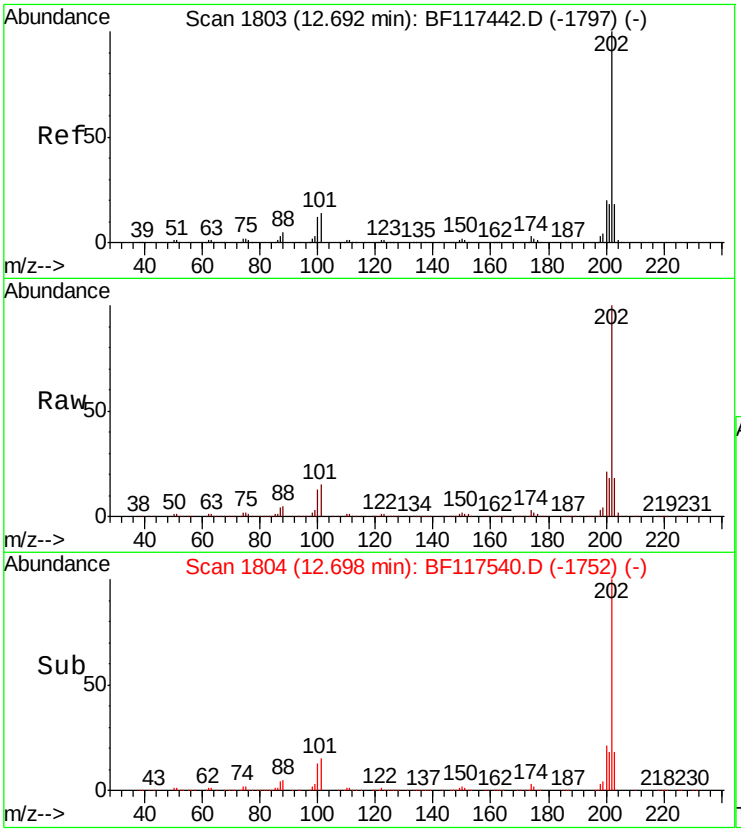


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:240 Resp: 66132

Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.4	12.6
236	24.7	20.0	30.0



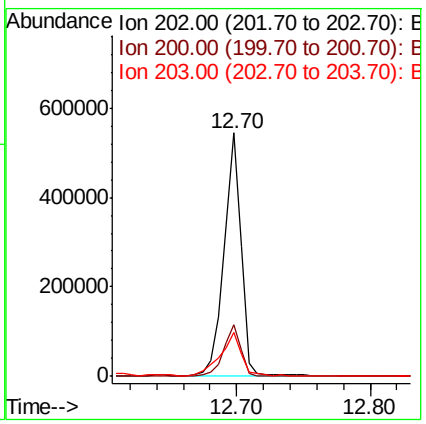


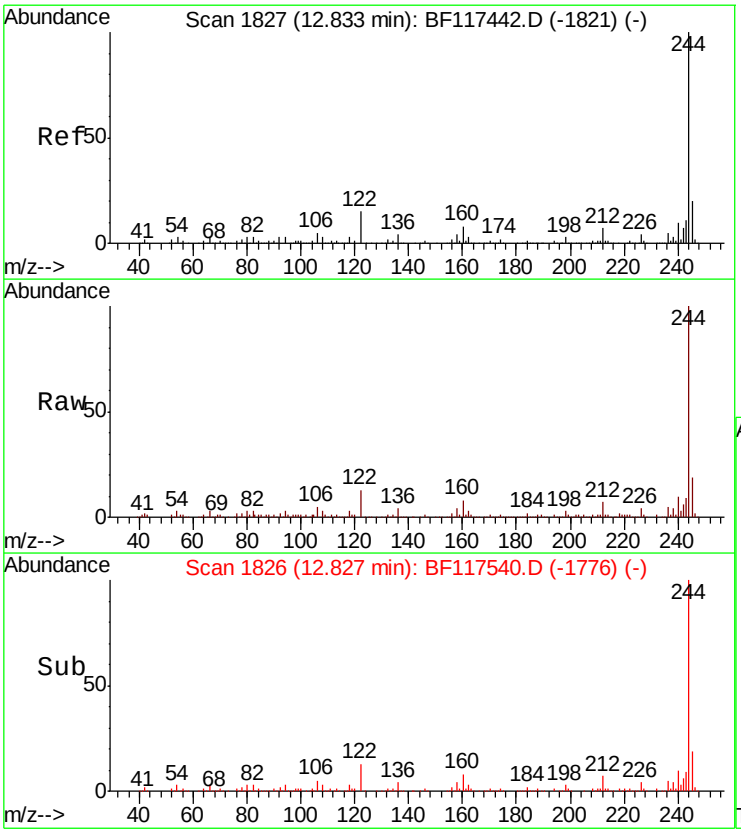
#78
Pyrene
Concen: 86.827 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:202 Resp: 493210

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.2	24.2
203	18.0	14.0	21.0

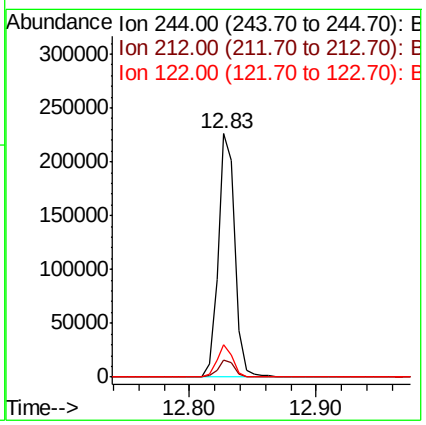


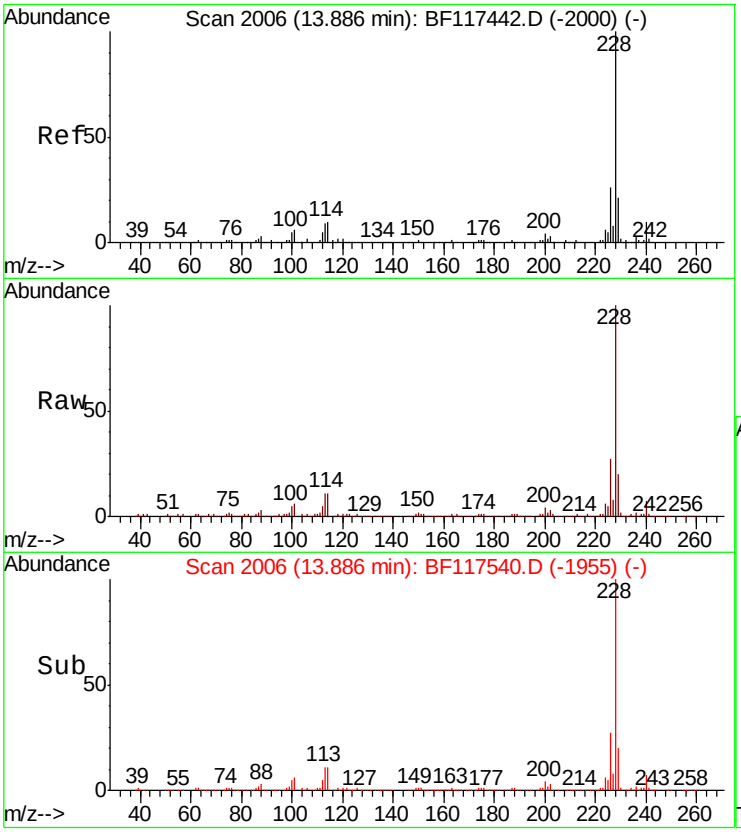


#79
Terphenyl-d14
Concen: 51.452 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:244 Resp: 208609

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.6
122	13.4	11.8	17.8



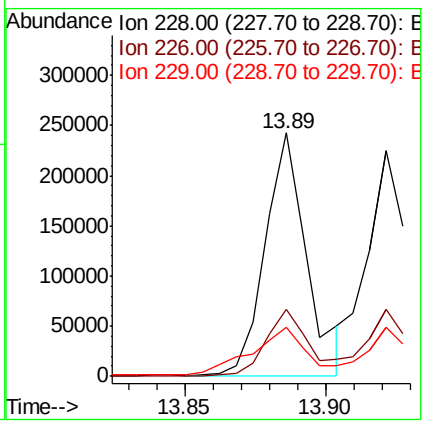


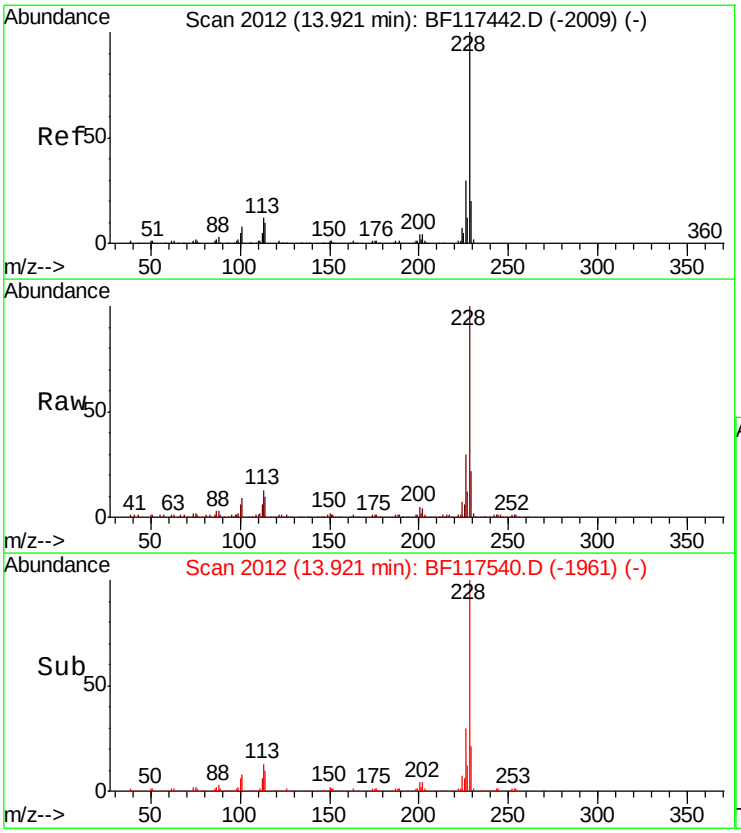
#81
Benzo(a)anthracene
Concen: 55.055 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:228 Resp: 245593

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.0	31.4
229	20.2	16.4	24.6

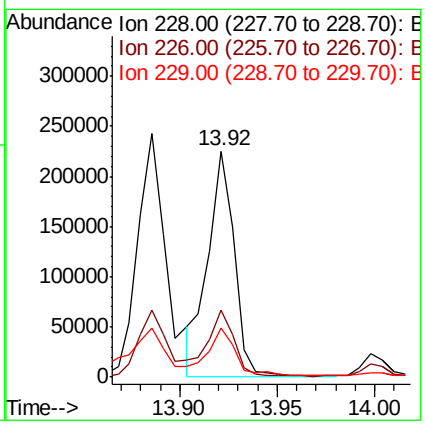


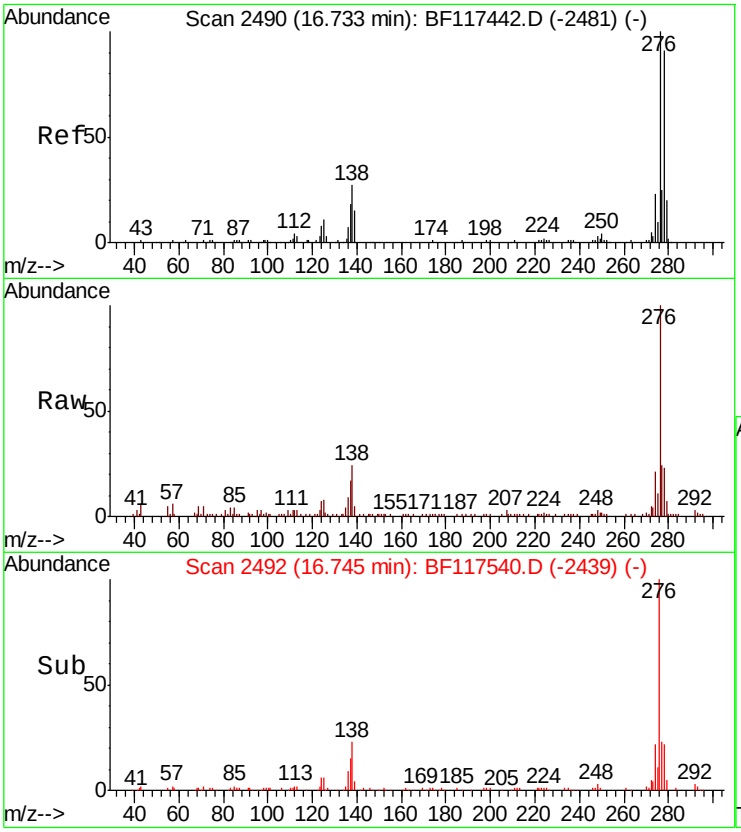


#83
Chrysene
Concen: 48.394 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:228 Resp: 211576

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	21.7	15.8	23.6



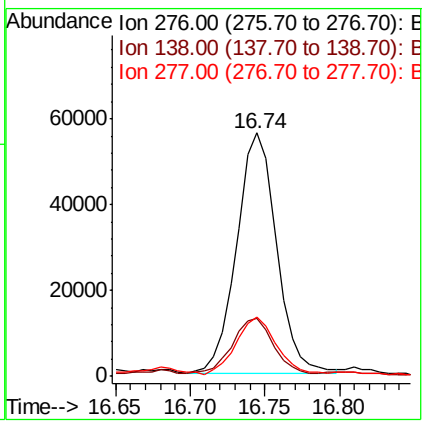


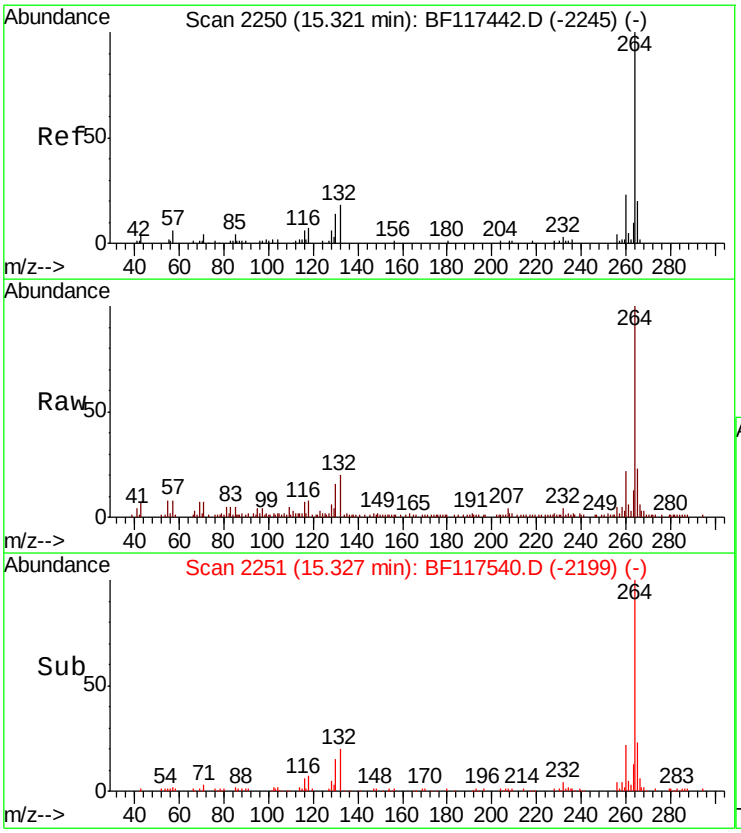
#86
Indeno(1,2,3-cd)pyrene
Concen: 31.666 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:276 Resp: 103362

Ion	Ratio	Lower	Upper
276	100		
138	25.1	21.8	32.8
277	23.9	20.0	30.0

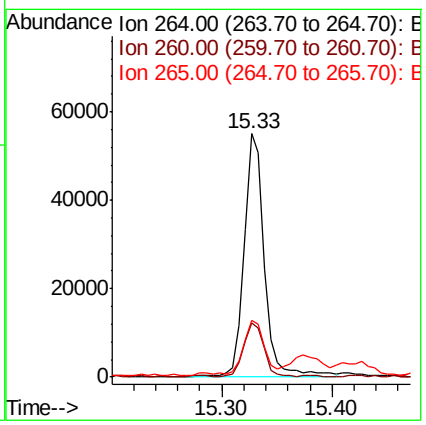


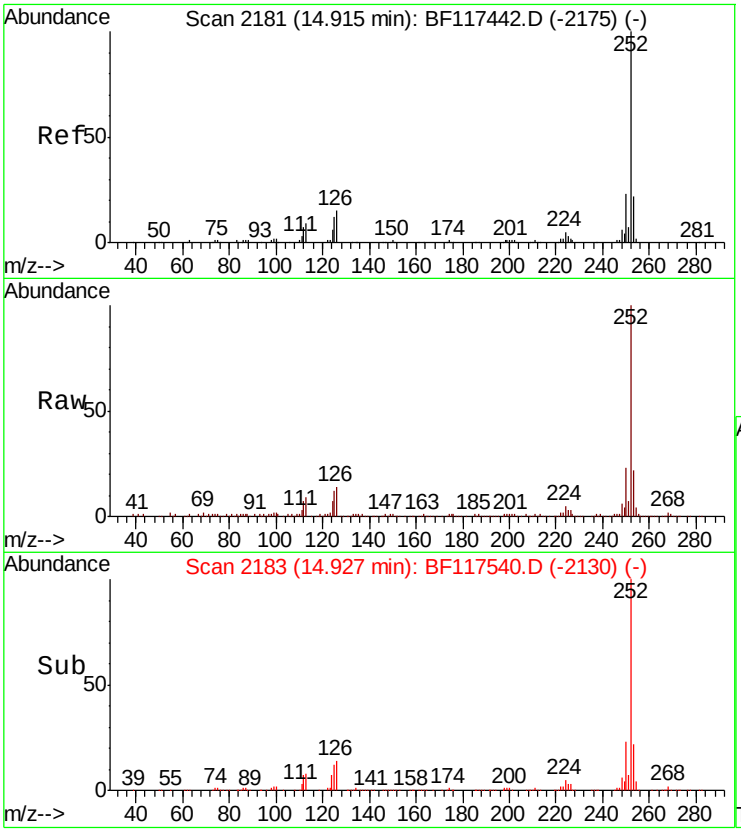


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:264 Resp: 71268

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.4	27.6
265	23.4	16.1	24.1



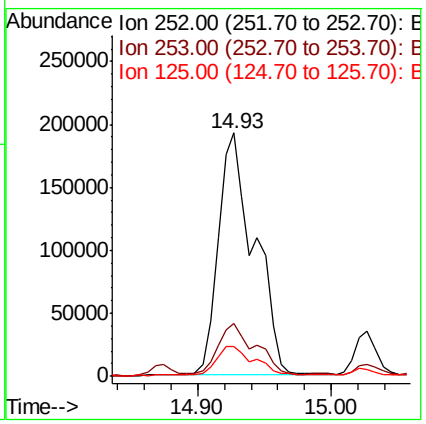


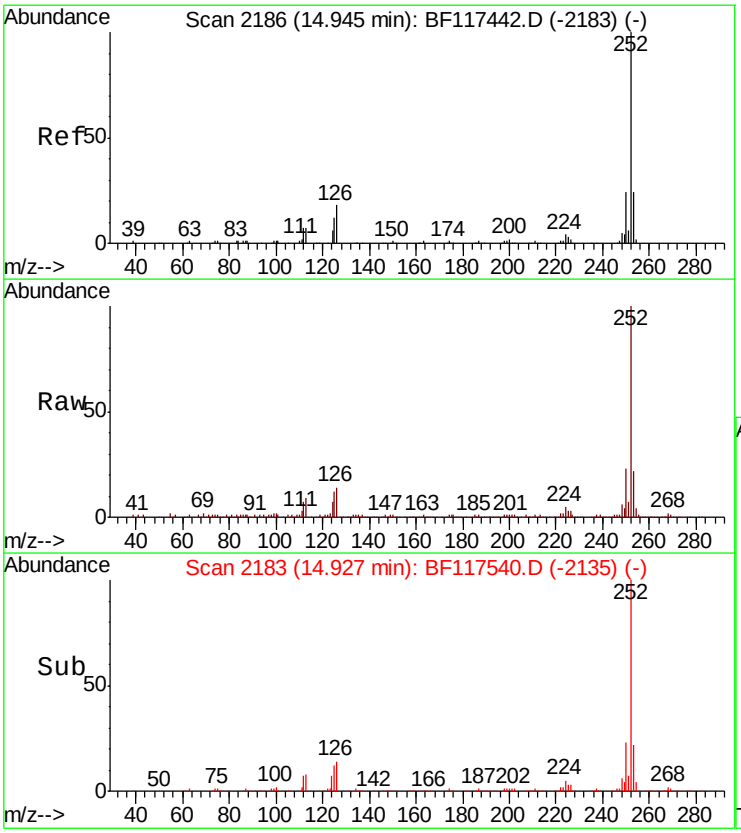
#88
Benzo(b)fluoranthene
Concen: 86.038 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:252 Resp: 362086

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	12.5	9.9	14.9

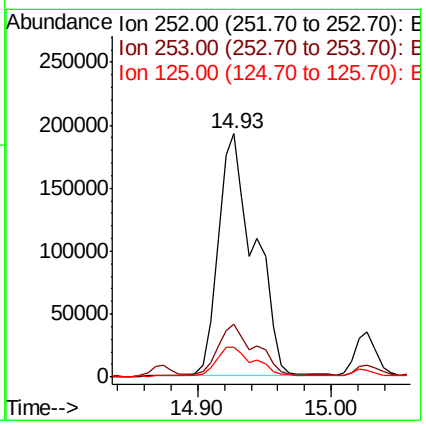


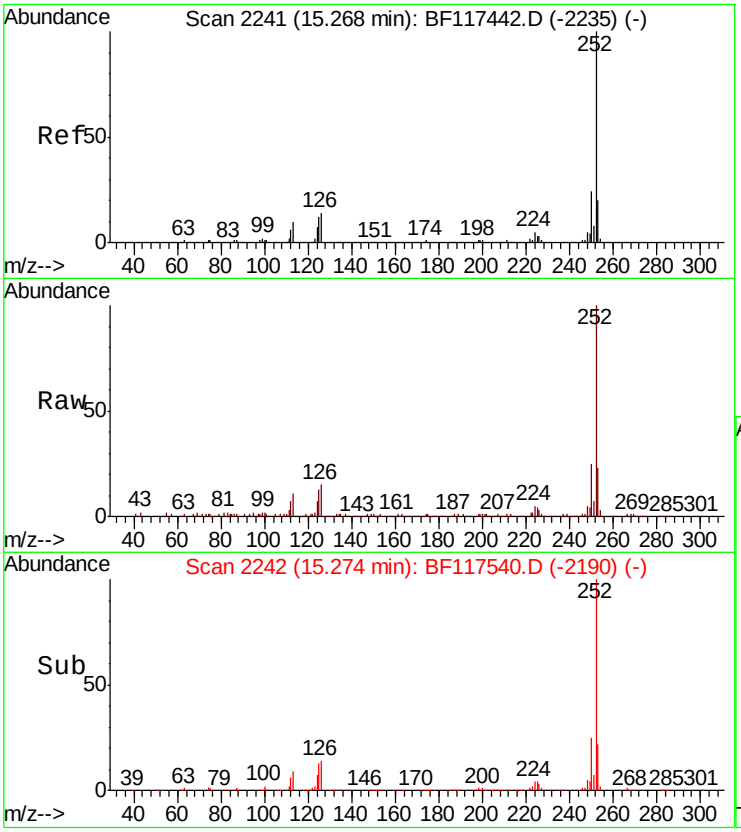


#89
Benzo(k)fluoranthene
Concen: 83.944 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:252 Resp: 362086

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	12.5	8.9	13.3



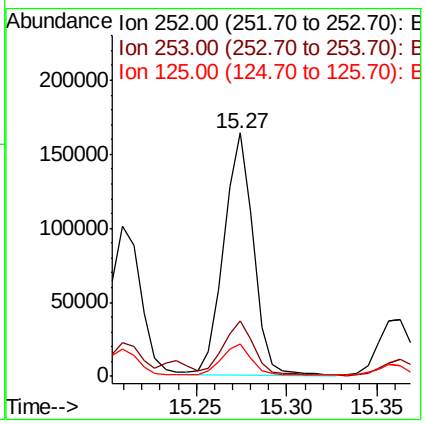


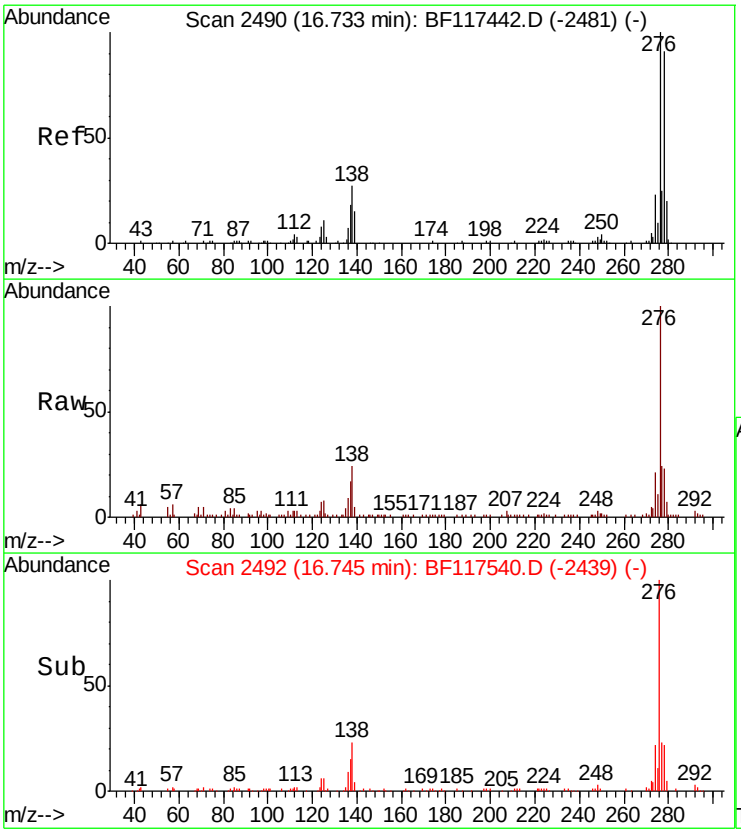
#90
Benzo(a)pyrene
Concen: 48.616 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:252 Resp: 186022

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.3	24.5
125	13.4	9.2	13.8

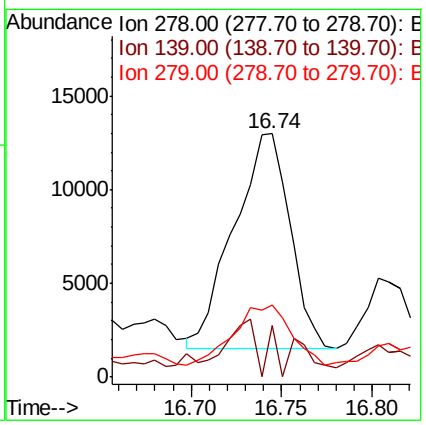


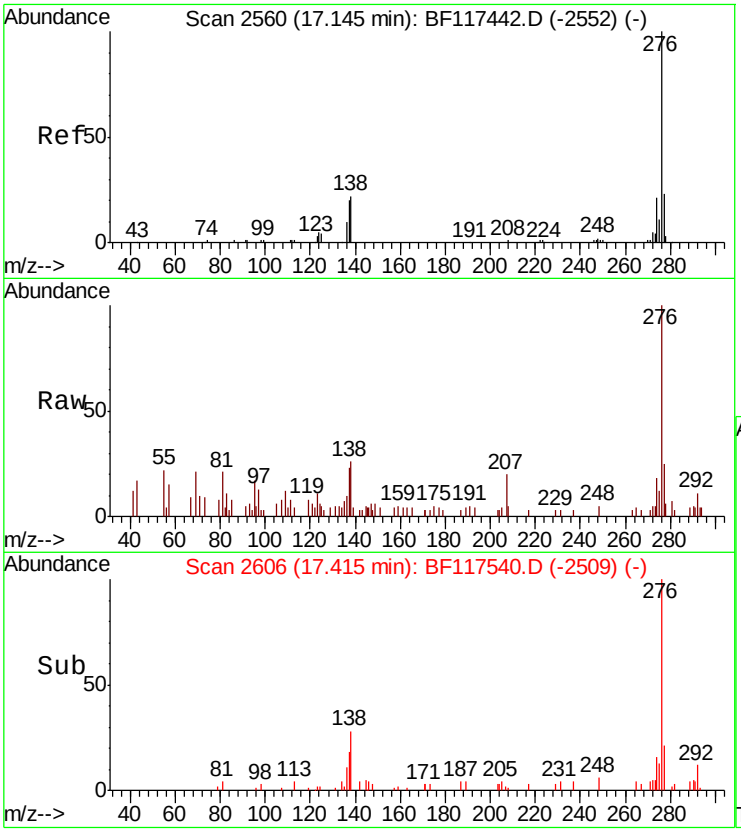


#91
Dibenzo(a,h)anthracene
Concen: 7.483 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Tgt Ion:278 Resp: 24757

Ion	Ratio	Lower	Upper
278	100		
139	21.0	13.4	20.0#
279	29.5	17.8	26.6#





#92
Benzo(g,h,i)perylene
Concen: 5.712 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.27 min
Lab File: BF117540.D
Acq: 25 Oct 2019 17:06

Instrument :
BNA_F
ClientSampleId :
176-86-(0-2.5)

Tgt Ion:276 Resp: 17880

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	26.4	17.8	26.6