Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103019\
Data File : BF117648.D
Acq On : 31 Oct 2019 6:14
Operator : JU
Sample : K5503-DL 10X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 31 07:59:35 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	30027	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	135236	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	64102	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	92541	20.00	ng		0.00
76) Chrysene-d12	13.90	240	73613	20.00	ng		0.00
87) Perylene-d12	15.33	264	62864	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	14316	7.09	ng		0.04
7) Phenol-d6	6.42	99	27382	10.10	ng		0.04
23) Nitrobenzene-d5	7.33	82	14549	5.31	ng		0.02
42) 2,4,6-Tribromophenol	10.57	330	4127	7.44	ng		0.00
45) 2-Fluorobiphenyl	9.09	172	28644	6.30	ng		0.00
79) Terphenyl-d14	12.83	244	32057	7.10	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.03	128	23612	3.522	ng		96
51) 2,6-Dinitrotoluene	9.76	165	7924	8.310	ng	#	22
52) Acenaphthene	9.79	154	16192	4.491	ng		94
55) Dibenzofuran	9.97	168	22166	4.243	ng		95
56) 4-Nitrophenol	9.97	139	8948	20.064	ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	7924	6.250	ng	#	12
58) Fluorene	10.32	166	25620	5.930	ng		89
71) Phenanthrene	11.27	178	260647	48.506	ng		98
72) Anthracene	11.33	178	63745	11.562	ng		98
73) Carbazole	11.50	167	22639	4.493	ng		99
75) Fluoranthene	12.47	202	234457	43.585	ng		97
77) Benzidine	12.83	184	311	Below Cal		#	67
78) Pyrene	12.70	202	194667	30.787	ng		99
81) Benzo(a)anthracene	13.89	228	91451	18.417	ng		99
83) Chrysene	13.92	228	74977	15.407	ng		99
86) Indeno(1,2,3-cd)pyrene	16.76	276	19882	5.472	ng		97
88) Benzo(b)fluoranthene	14.93	252	93397	25.159	ng		99
89) Benzo(k)fluoranthene	14.93	252	93397	24.547	ng		99
90) Benzo(a)pyrene	15.28	252	44479	13.178	ng		97
91) Dibenzo(a,h)anthracene	16.75	278	6261	2.145	ng	#	83
92) Benzo(g,h,i)perylene	17.20	276	17221	6.237	ng		96

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

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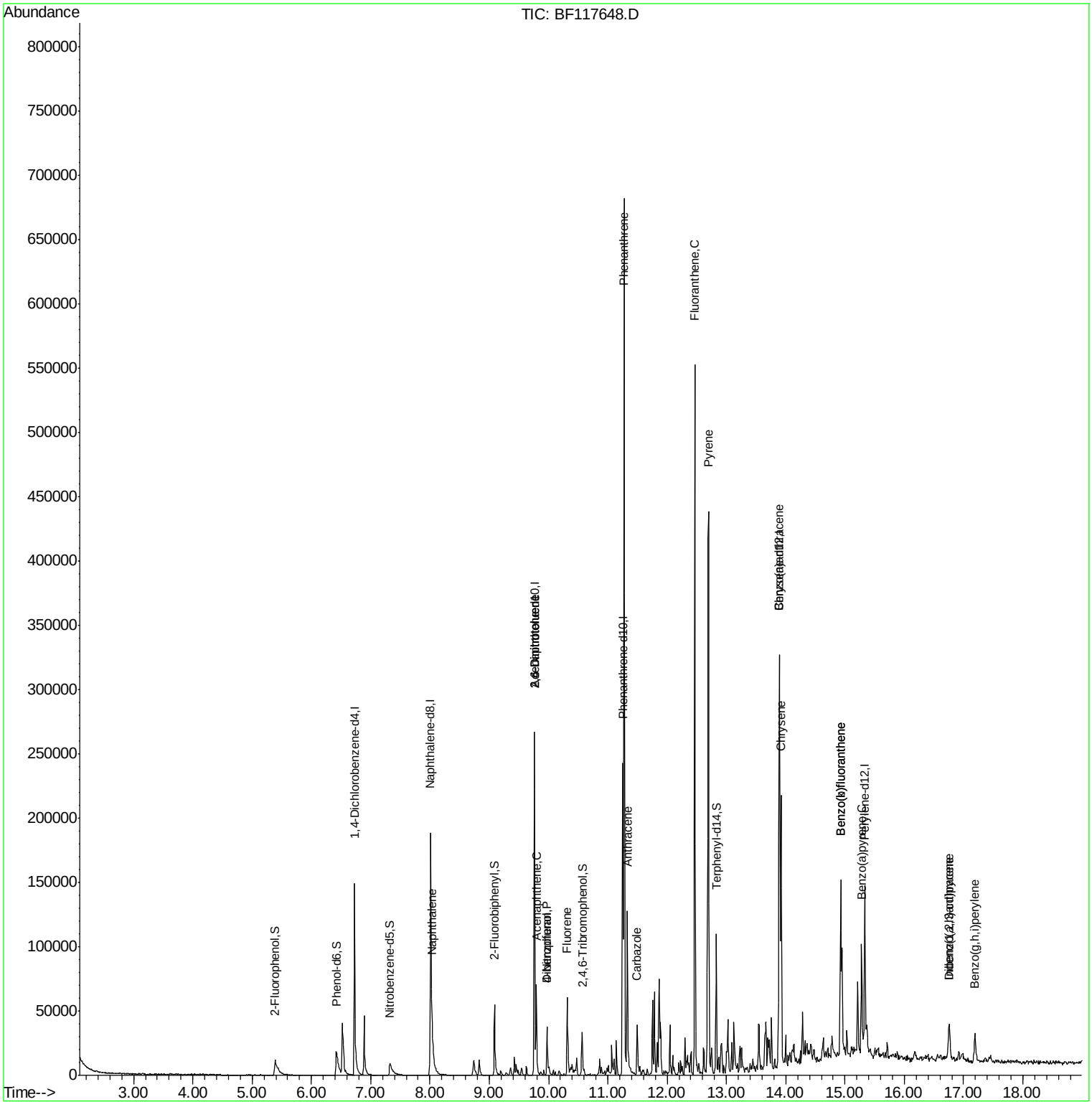
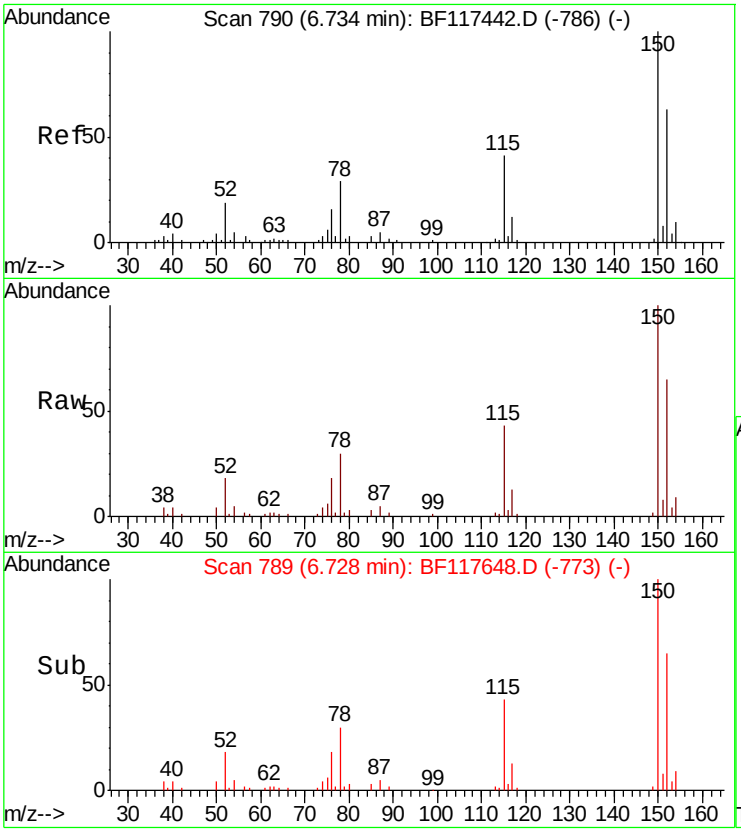


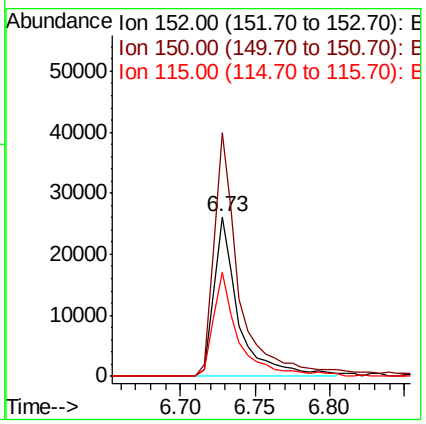


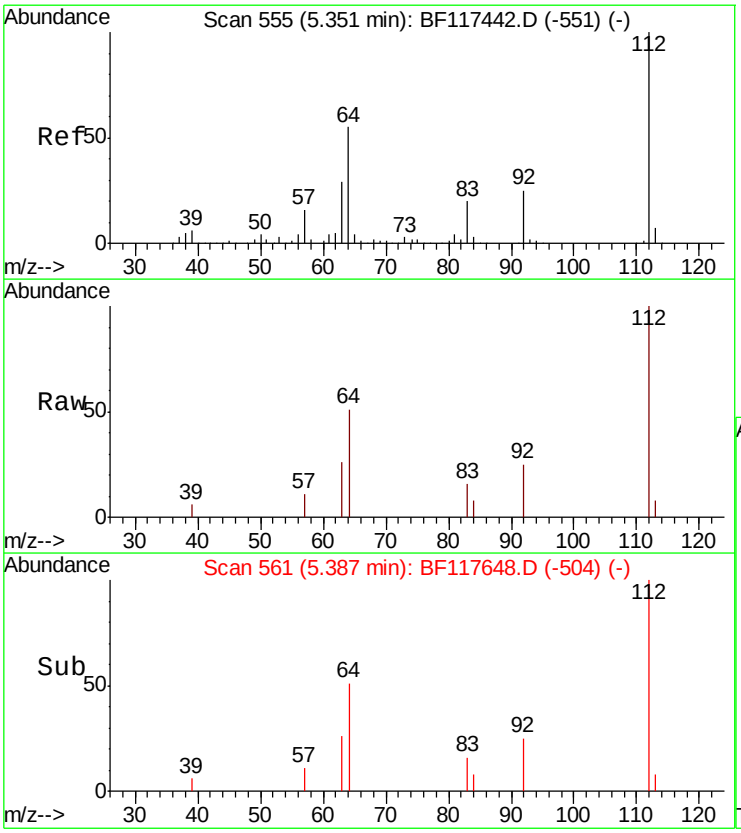
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 30027

Ion	Ratio	Lower	Upper
152	100		
150	152.9	126.8	190.2
115	65.2	51.6	77.4

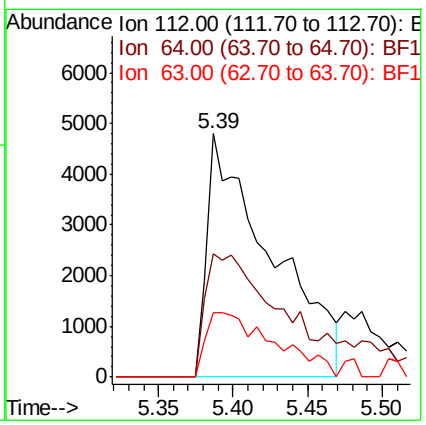


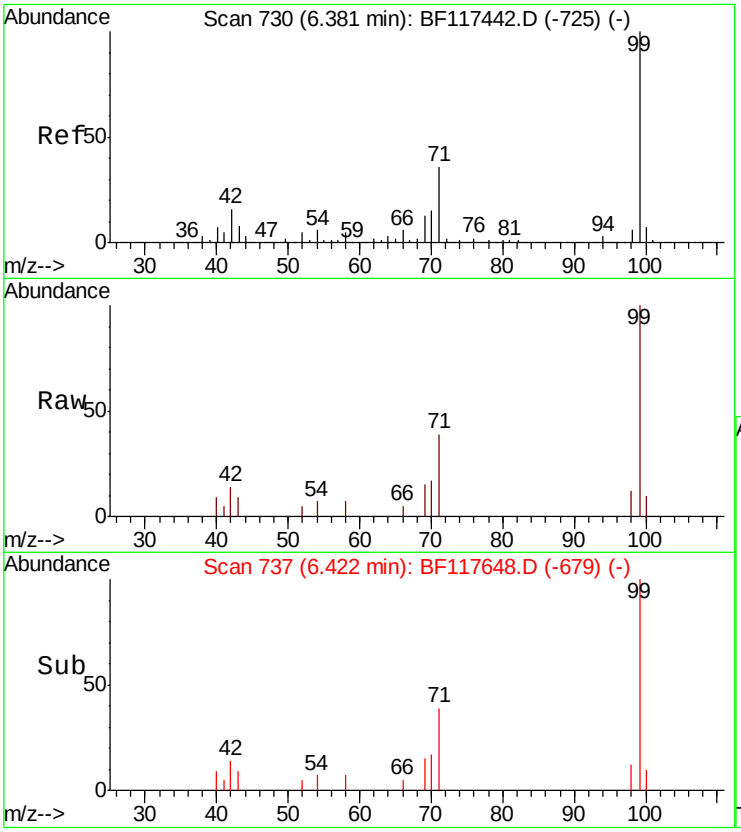


#5
2-Fluorophenol
Concen: 7.093 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.04 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:112 Resp: 14316

Ion	Ratio	Lower	Upper
112	100		
64	50.9	44.1	66.1
63	26.3	23.4	35.2



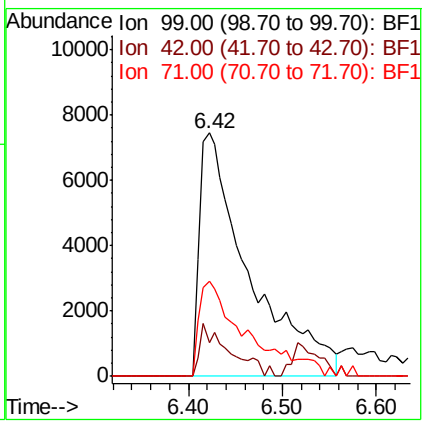


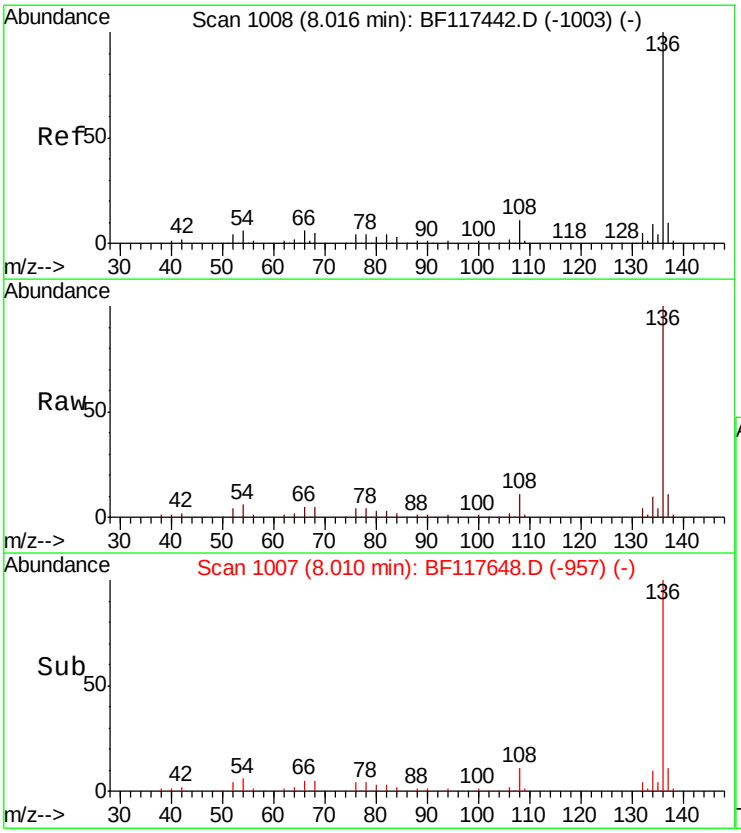
#7
Phenol-d6
Concen: 10.101 ng
RT: 6.42 min Scan# 737
Delta R.T. 0.04 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 27382

Ion	Ratio	Lower	Upper
99	100		
42	14.0	12.8	19.2
71	39.2	28.6	43.0

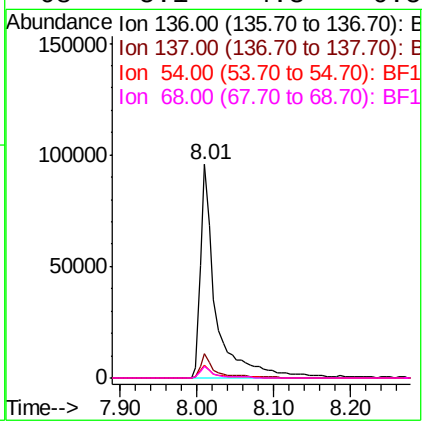


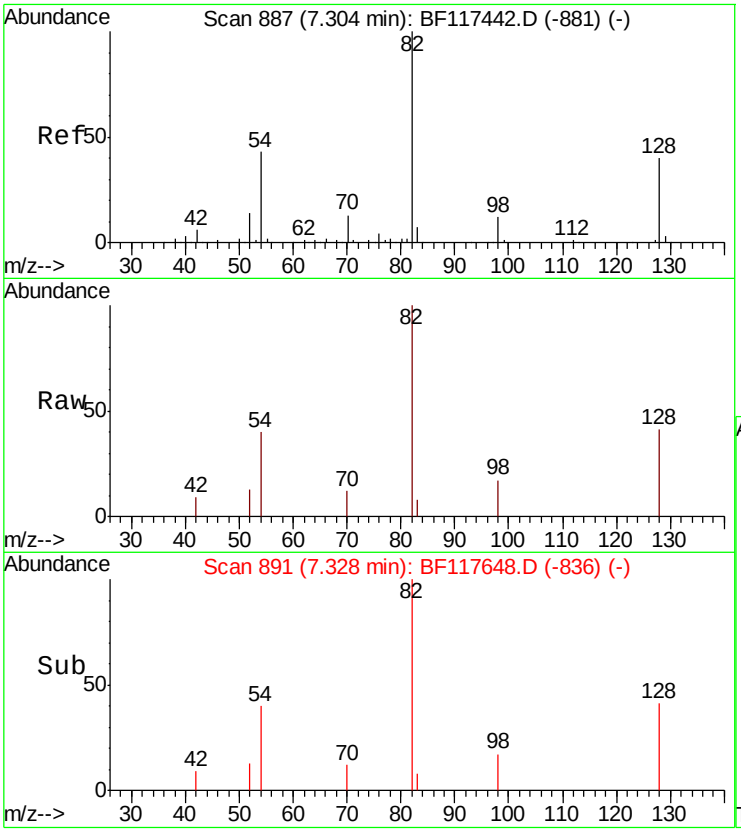


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:136 Resp: 135236

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.2	12.4
54	6.1	4.5	6.7
68	5.1	4.3	6.5



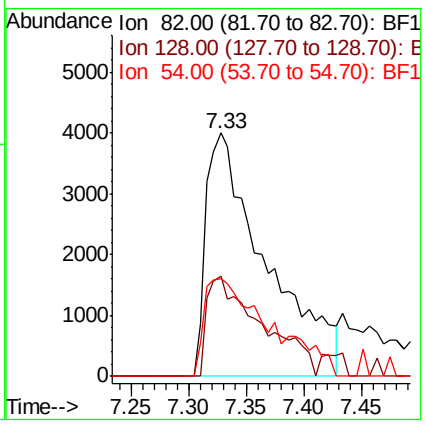


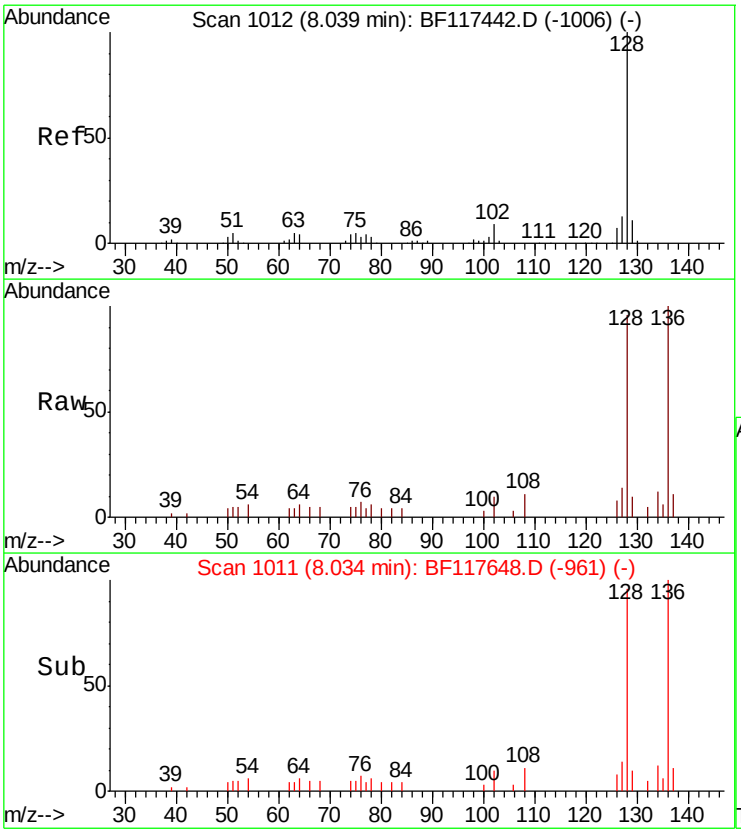
#23
Nitrobenzene-d5
Concen: 5.311 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.02 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 14549

Ion	Ratio	Lower	Upper
82	100		
128	41.3	32.2	48.2
54	40.0	34.2	51.2

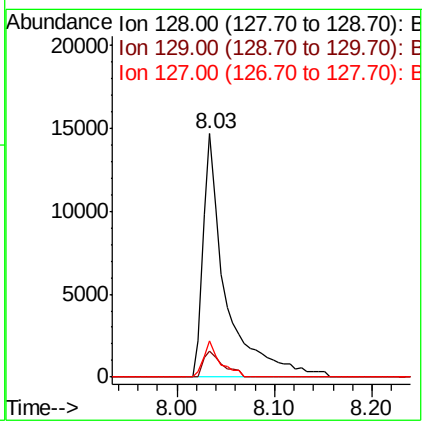


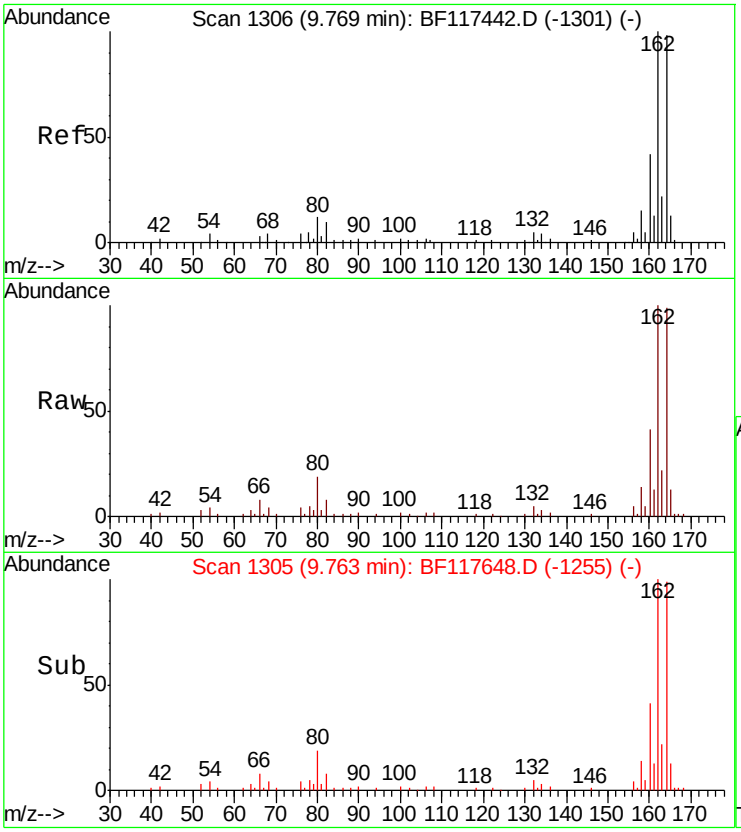


#31
Naphthalene
Concen: 3.522 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:128 Resp: 23612

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.4
127	15.0	10.2	15.2

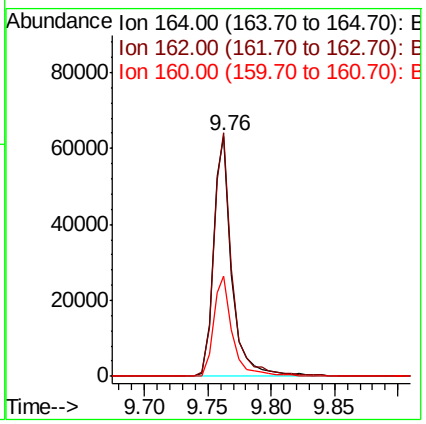




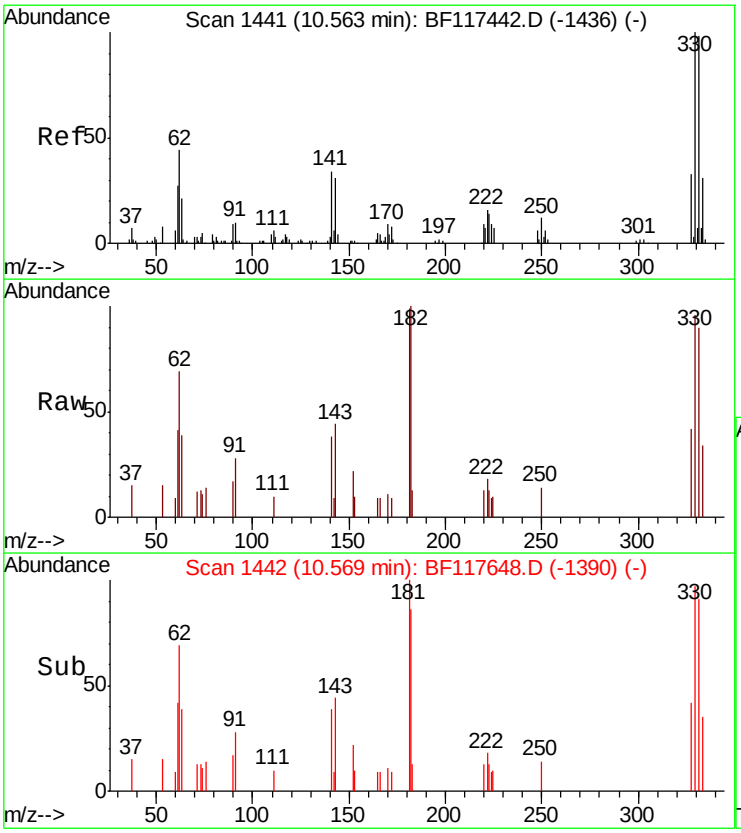
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:164 Resp: 64102

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.8	122.6
160	41.8	34.4	51.6



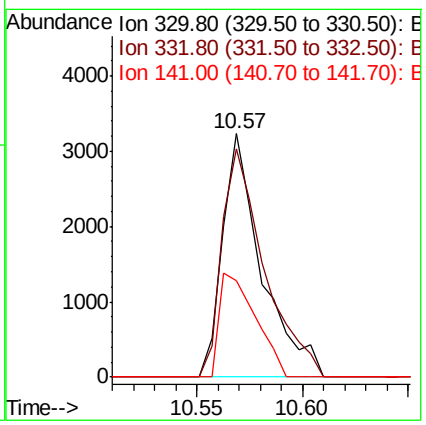
Instrument :
BNA_F
ClientSampleId :

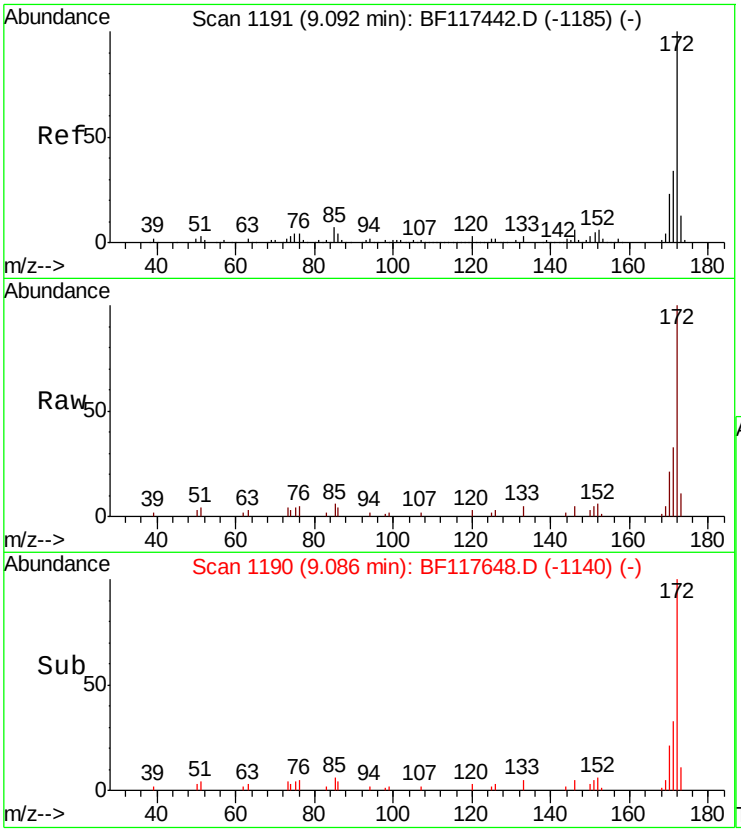


#42
2,4,6-Tribromophenol
Concen: 7.441 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:330 Resp: 4127

Ion	Ratio	Lower	Upper
330	100		
332	102.2	78.5	117.7
141	39.6	37.0	55.6



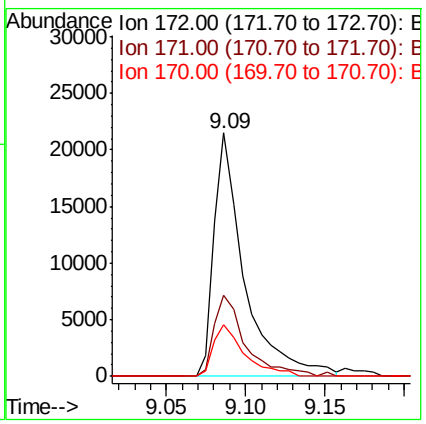


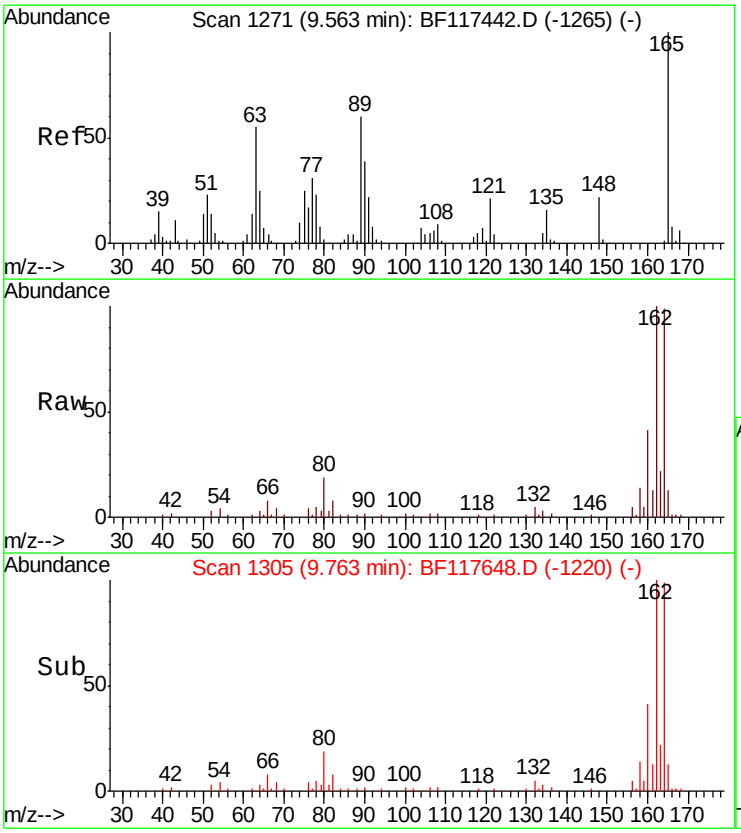
#45
2-Fluorobiphenyl
Concen: 6.296 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 28644

Ion	Ratio	Lower	Upper
172	100		
171	33.1	27.5	41.3
170	21.4	18.6	27.8

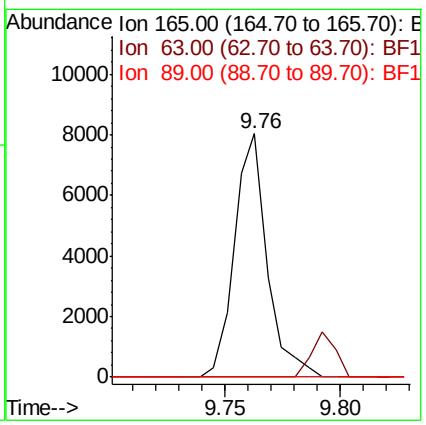


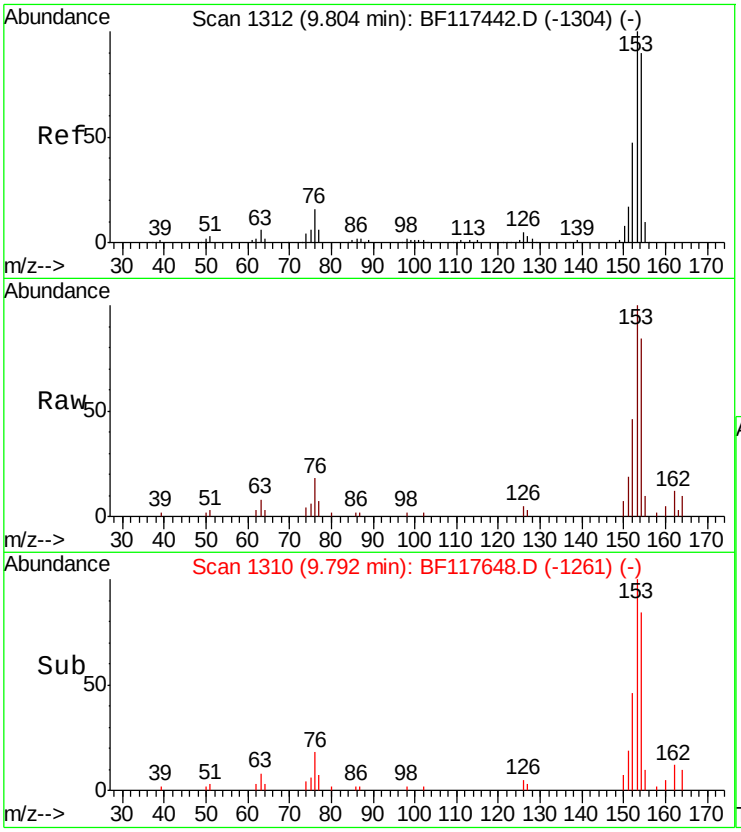


#51
2,6-Dinitrotoluene
Concen: 8.310 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:165 Resp: 7924

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



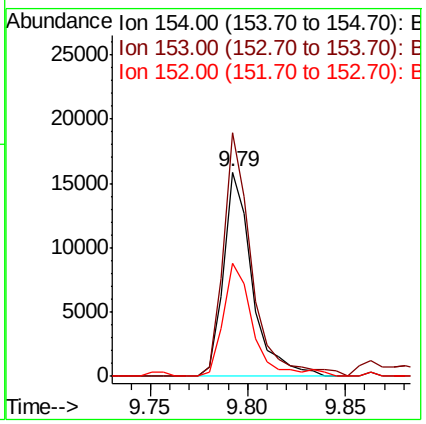


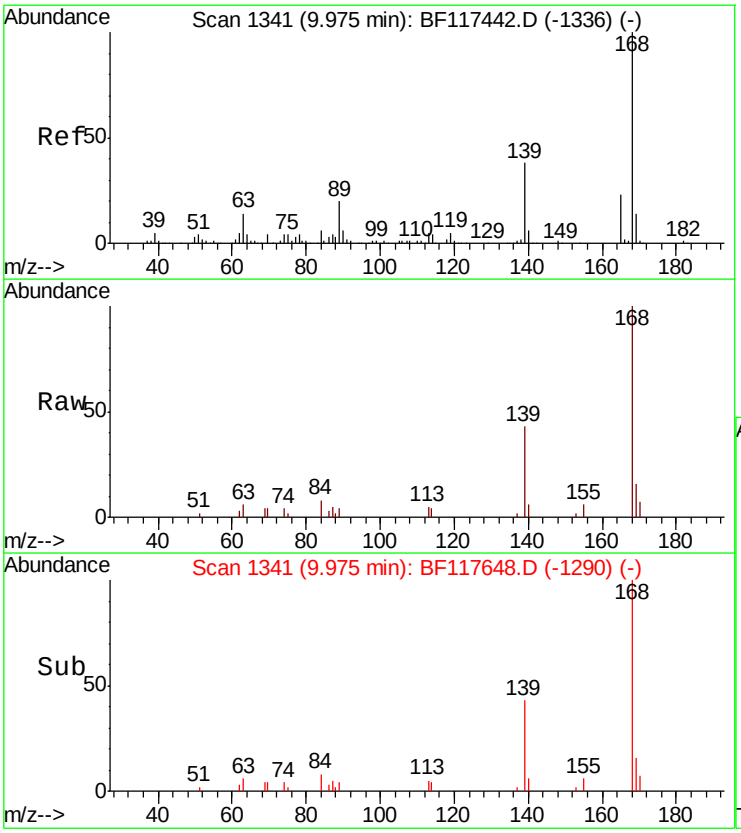
#52
Acenaphthene
Concen: 4.491 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 16192

Ion	Ratio	Lower	Upper
154	100		
153	119.1	89.2	133.8
152	55.1	41.8	62.6

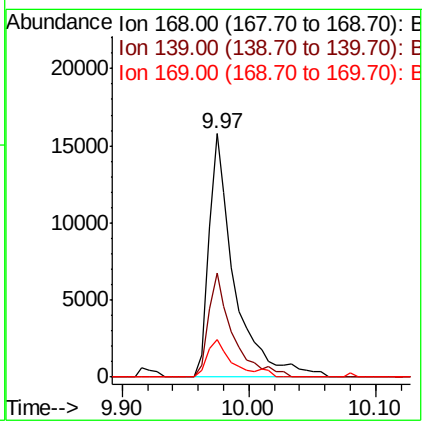


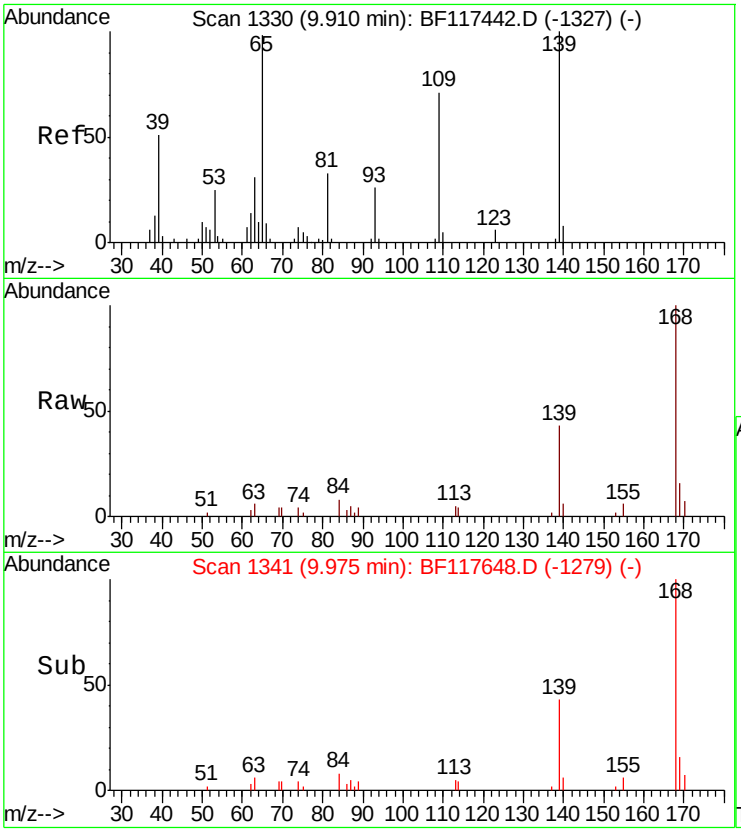


#55
Dibenzofuran
Concen: 4.243 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:168 Resp: 22166

Ion	Ratio	Lower	Upper
168	100		
139	43.0	31.8	47.6
169	15.6	11.2	16.8



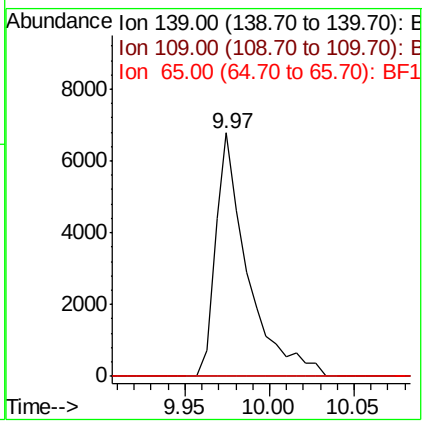


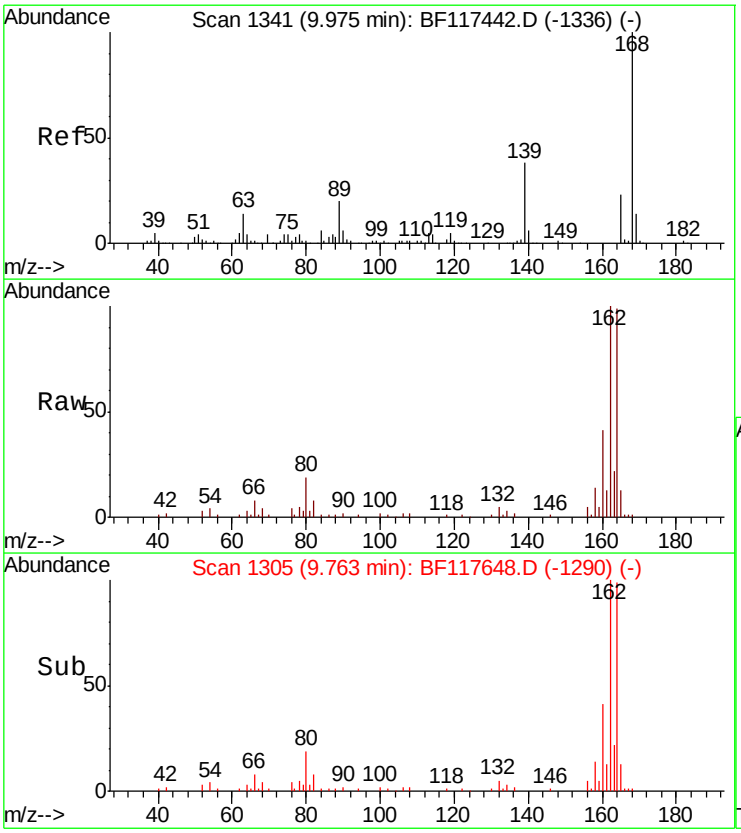
#56
4-Nitrophenol
Concen: 20.064 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 8948

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

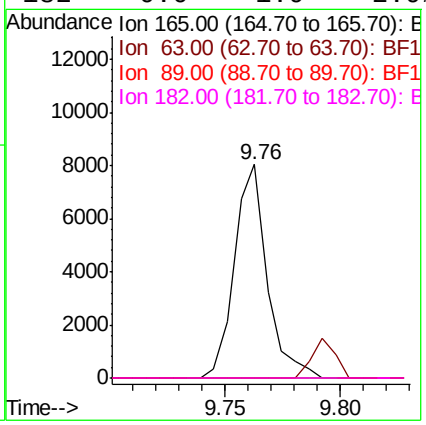


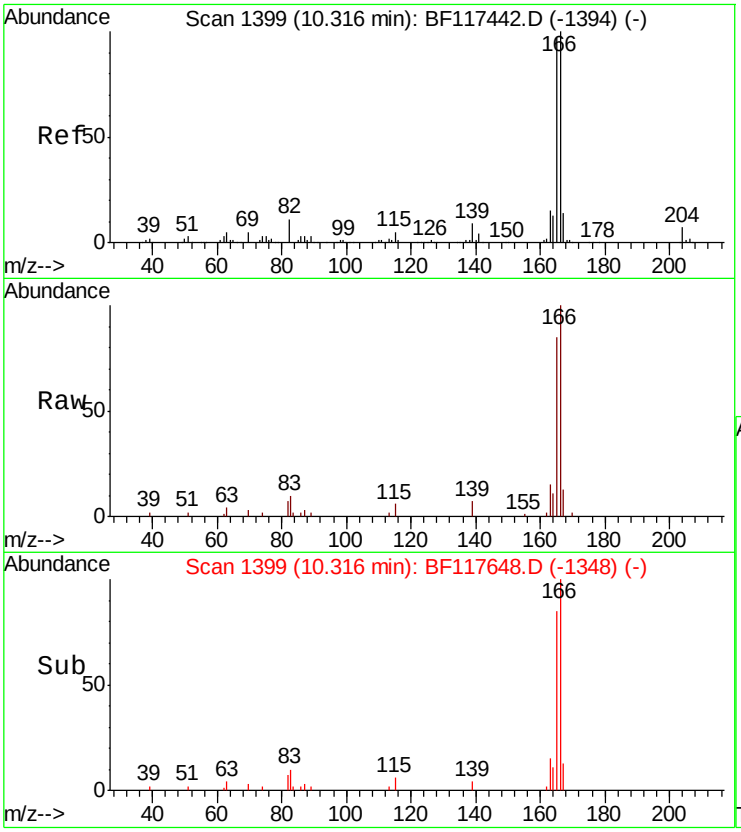


#57
2,4-Dinitrotoluene
Concen: 6.250 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:165 Resp: 7924

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#



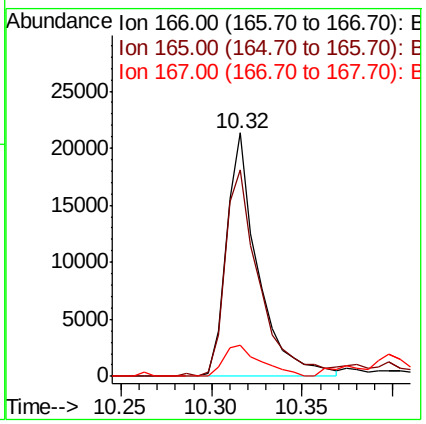


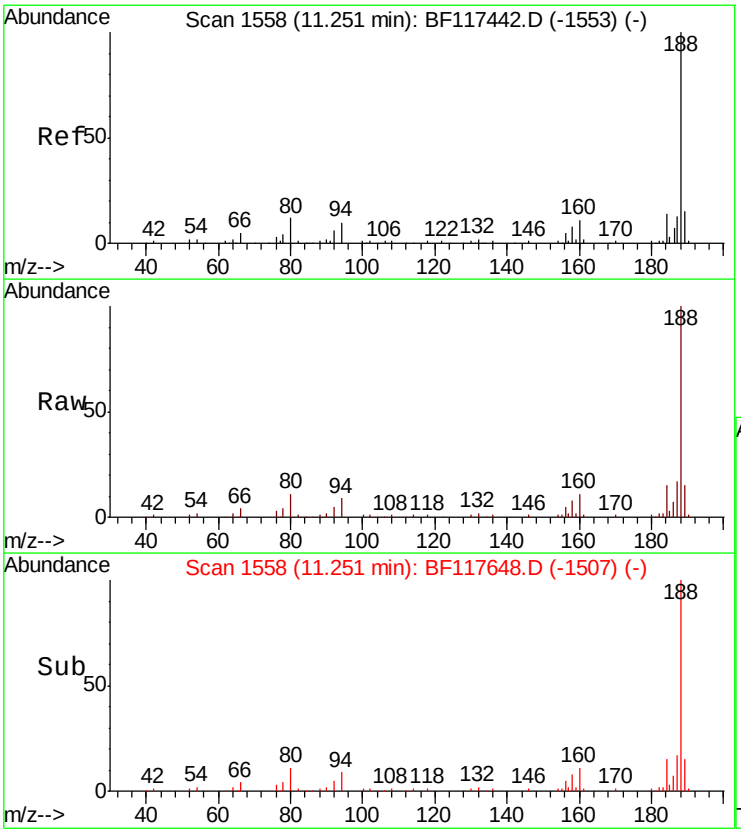
#58
Fluorene
Concen: 5.930 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 25620

Ion	Ratio	Lower	Upper
166	100		
165	84.9	77.6	116.4
167	13.0	11.0	16.4

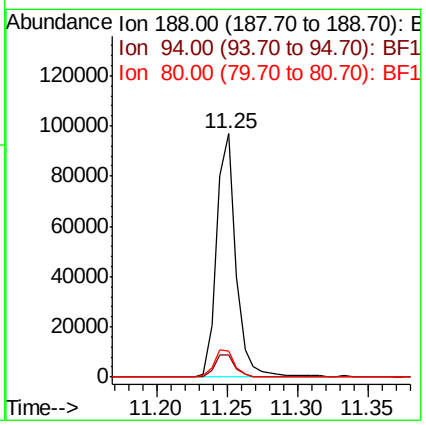


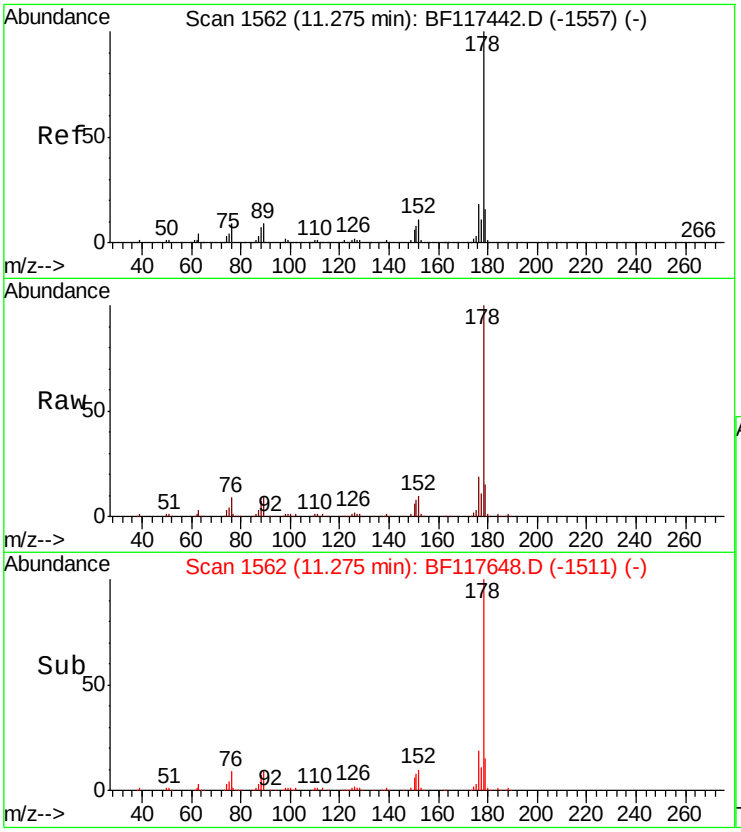


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:188 Resp: 92541

Ion	Ratio	Lower	Upper
188	100		
94	9.0	8.0	12.0
80	10.6	9.5	14.3



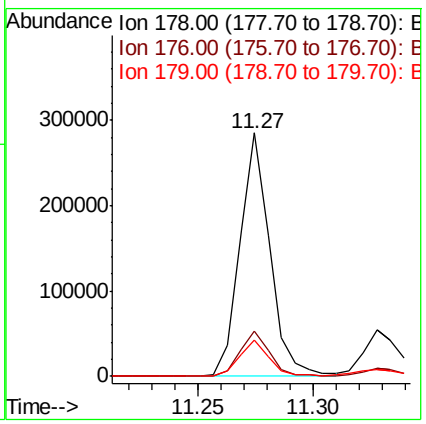


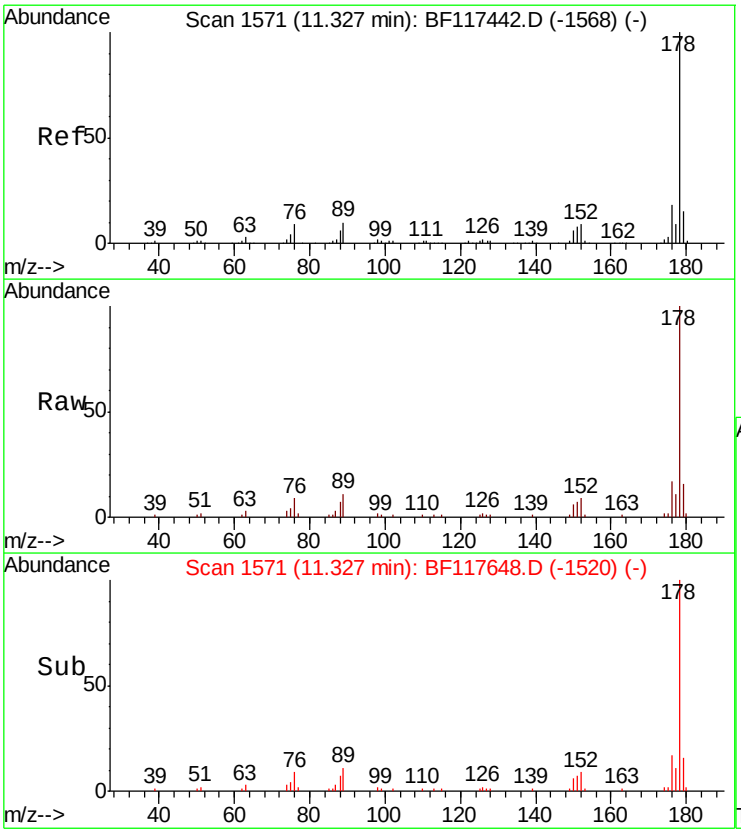
#71
Phenanthrene
Concen: 48.506 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 260647

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	22.0
179	14.7	12.6	19.0

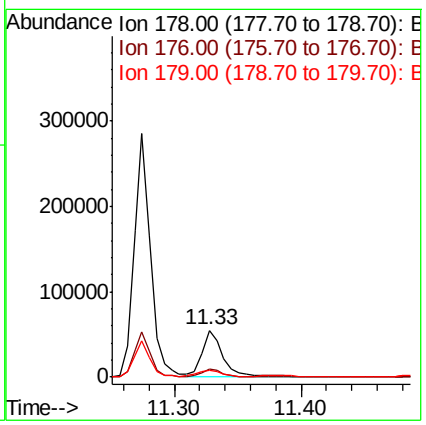


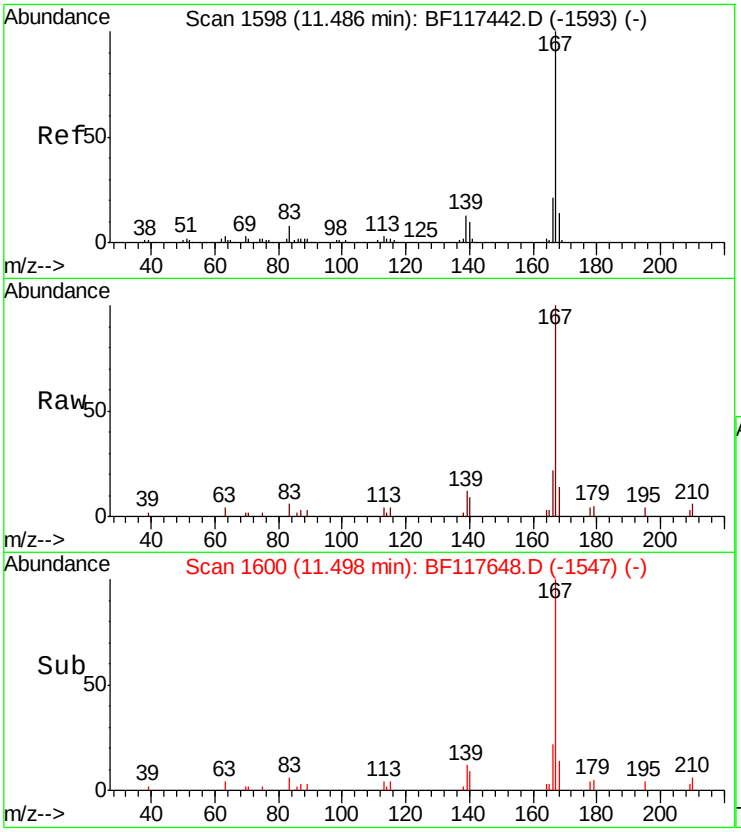


#72
Anthracene
Concen: 11.562 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:178 Resp: 63745

Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.7	22.1
179	15.7	12.2	18.2



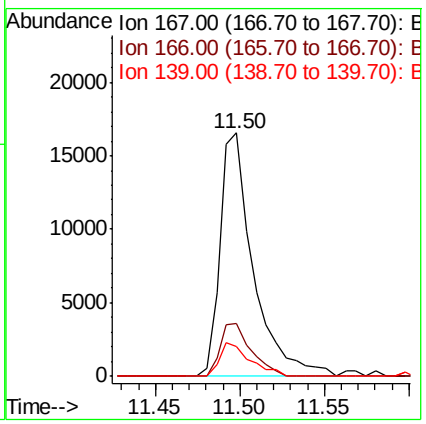


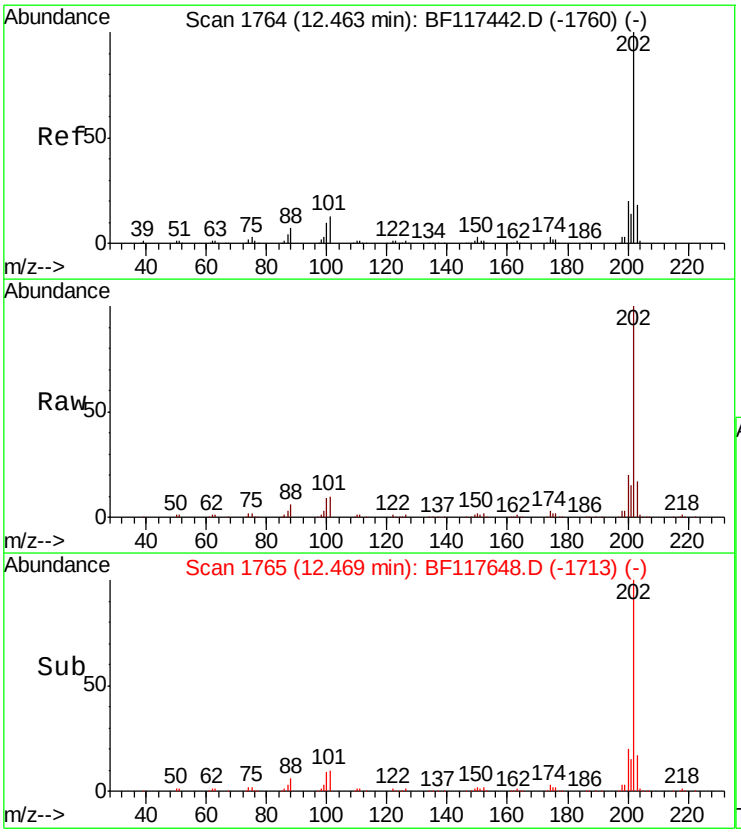
#73
Carbazole
Concen: 4.493 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 22639

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.0	25.6
139	12.4	10.6	16.0

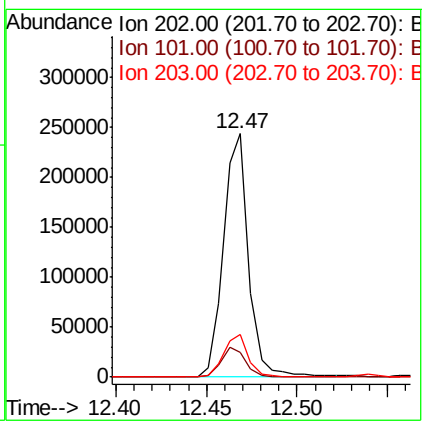


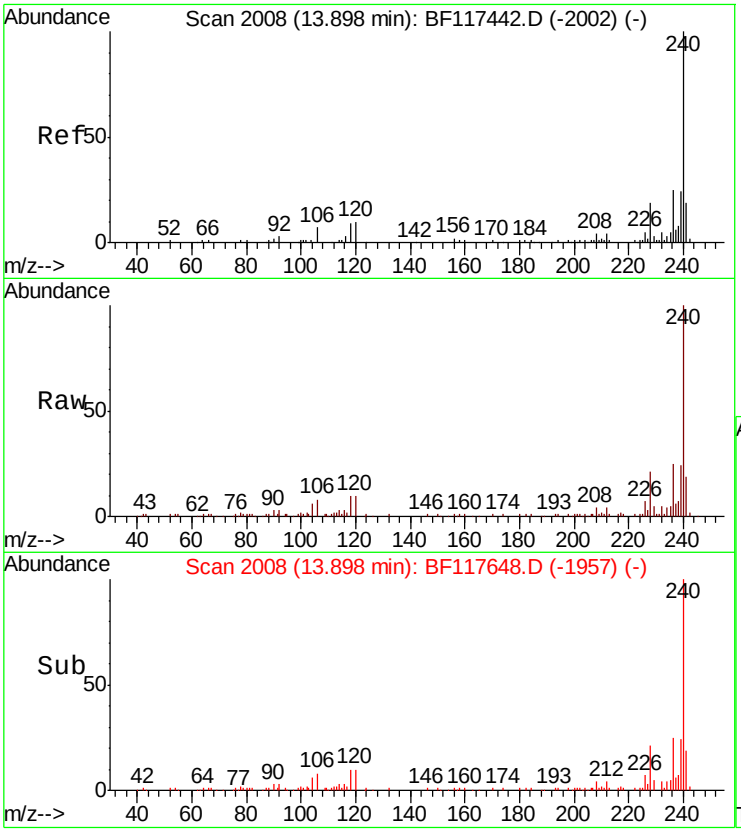


#75
Fluoranthene
Concen: 43.585 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:202 Resp: 234457

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	32.7
203	17.3	0.0	37.6



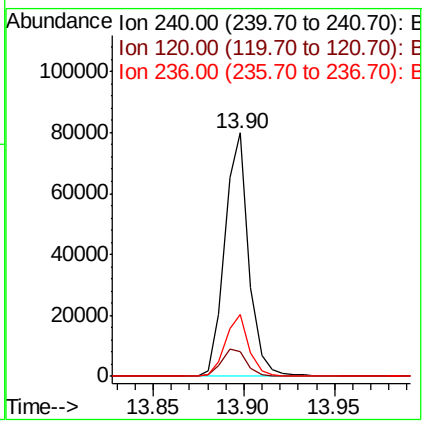


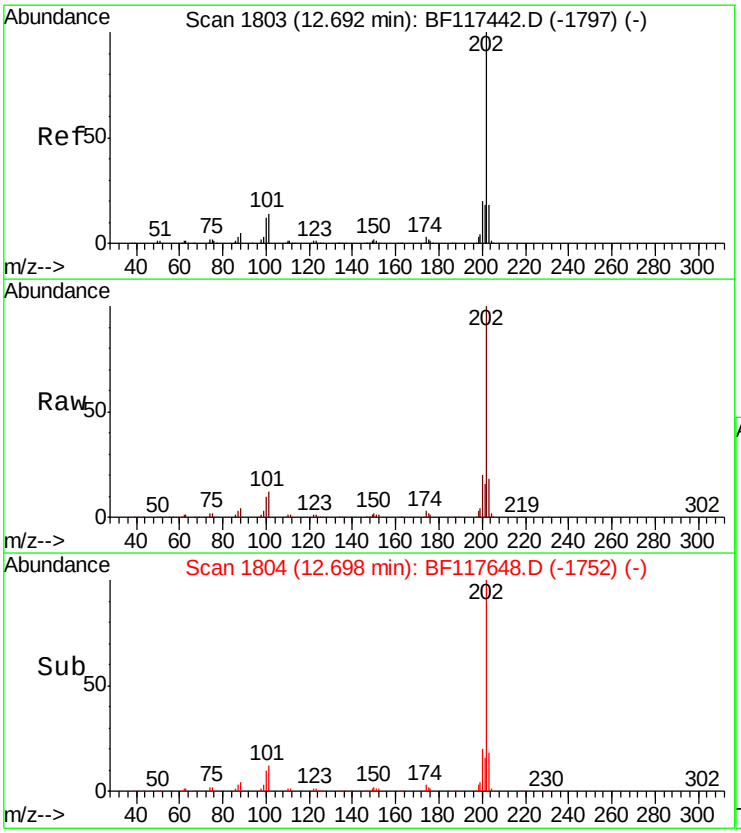
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 73613

Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.4	12.6
236	25.4	20.0	30.0

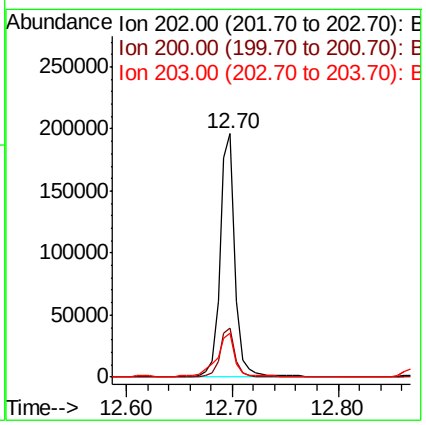


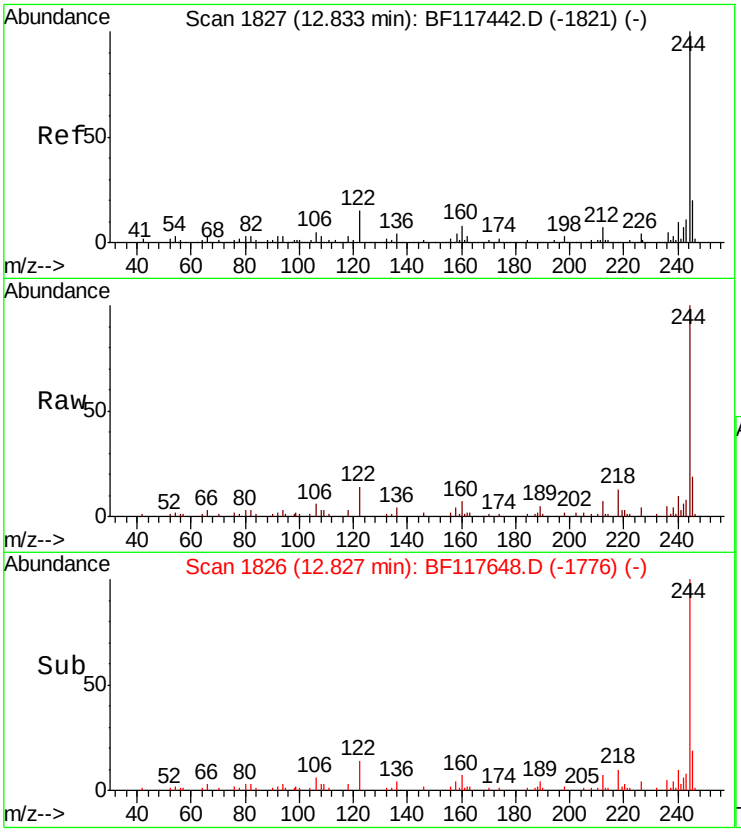


#78
Pyrene
Concen: 30.787 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:202 Resp: 194667

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	17.8	14.0	21.0



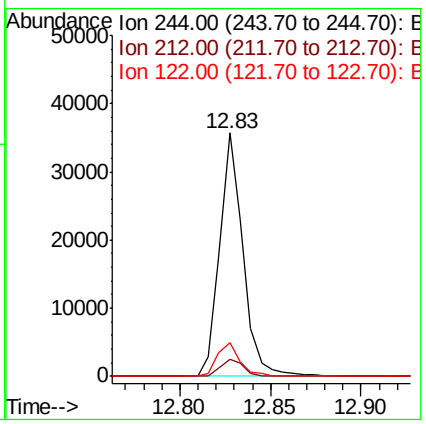


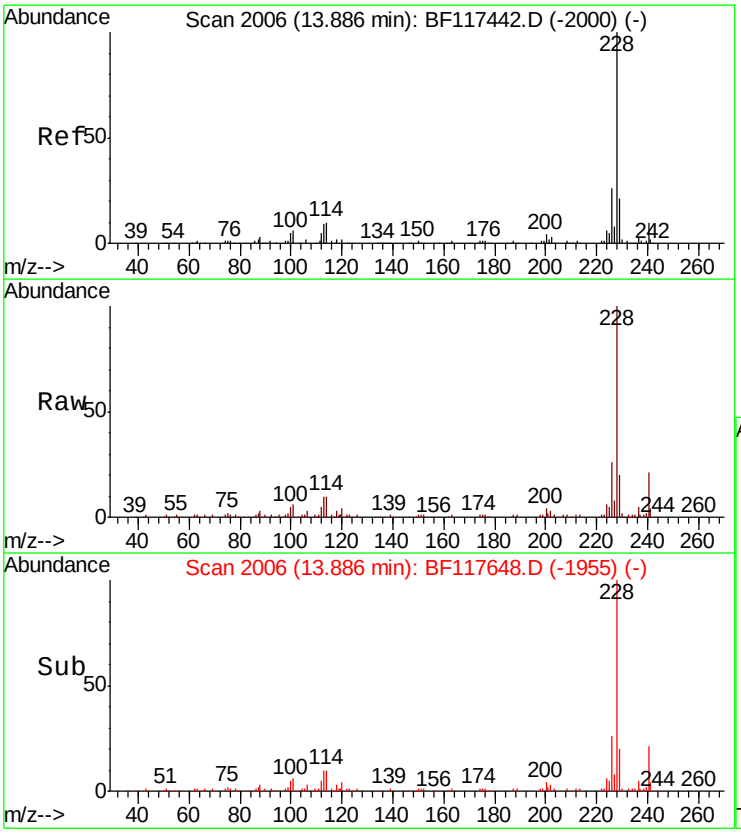
#79
Terphenyl-d14
Concen: 7.103 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 32057

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	14.0	11.8	17.8

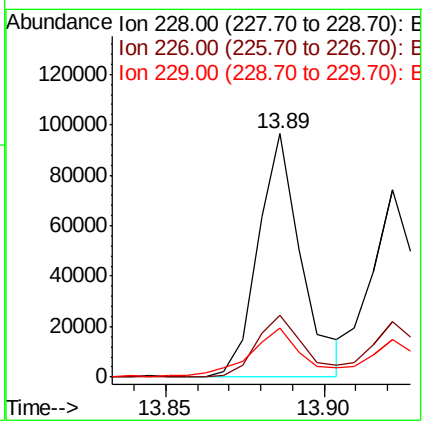


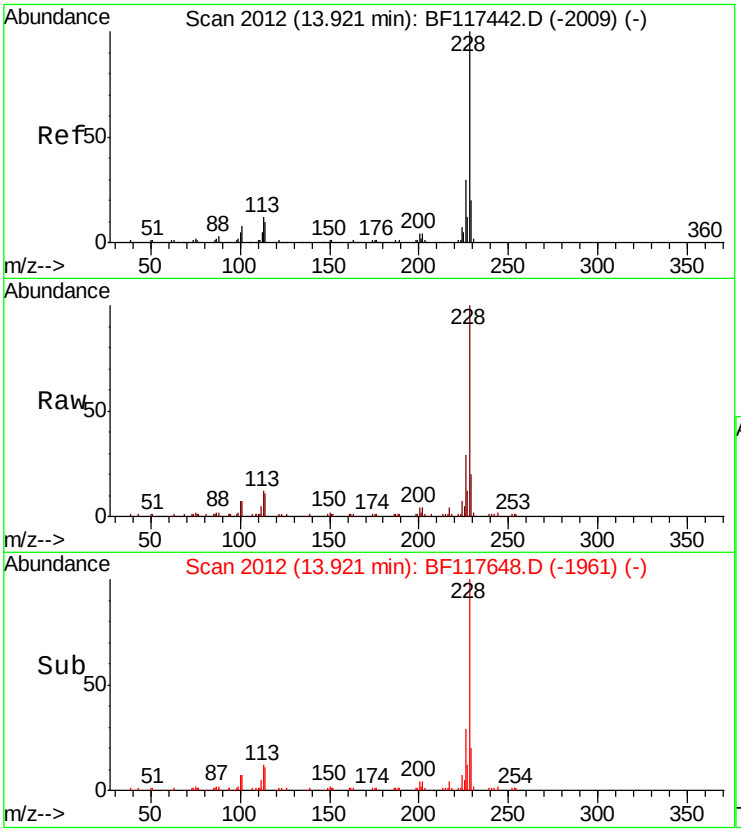


#81
Benzo(a)anthracene
Concen: 18.417 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:228 Resp: 91451

Ion	Ratio	Lower	Upper
228	100		
226	25.6	21.0	31.4
229	20.3	16.4	24.6



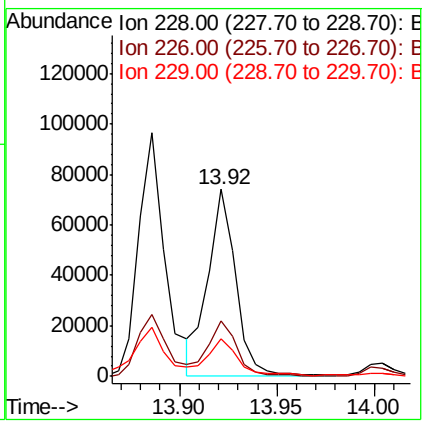


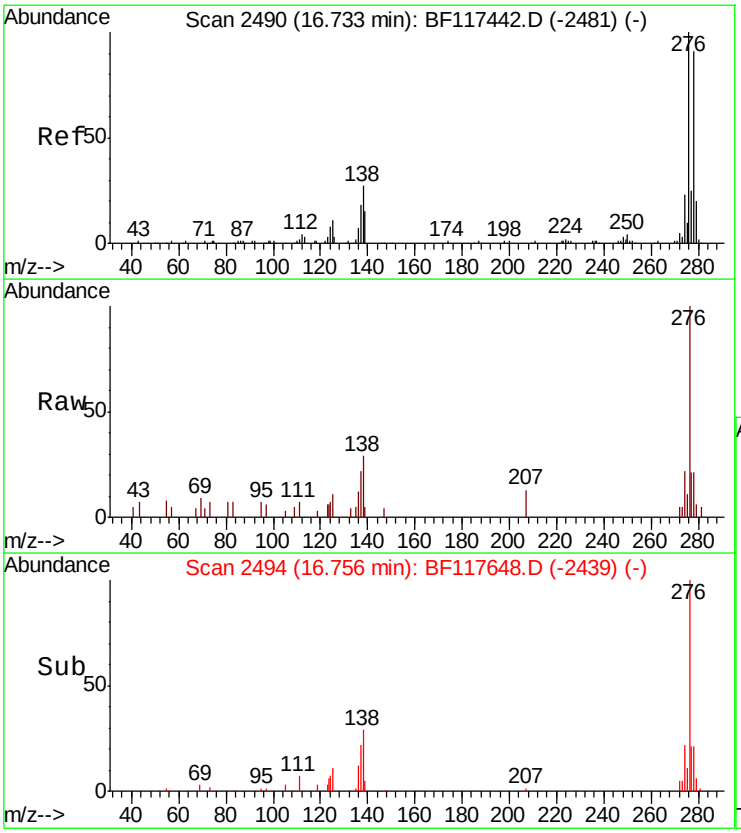
#83
Chrysene
Concen: 15.407 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 74977

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.9	35.9
229	20.2	15.8	23.6

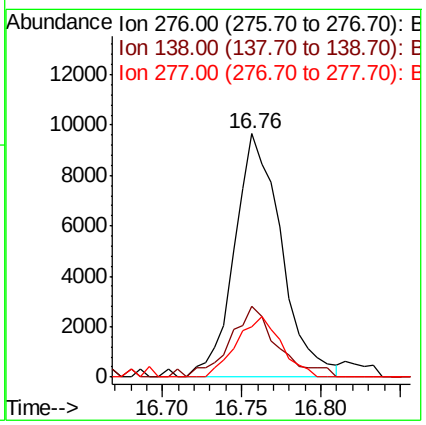


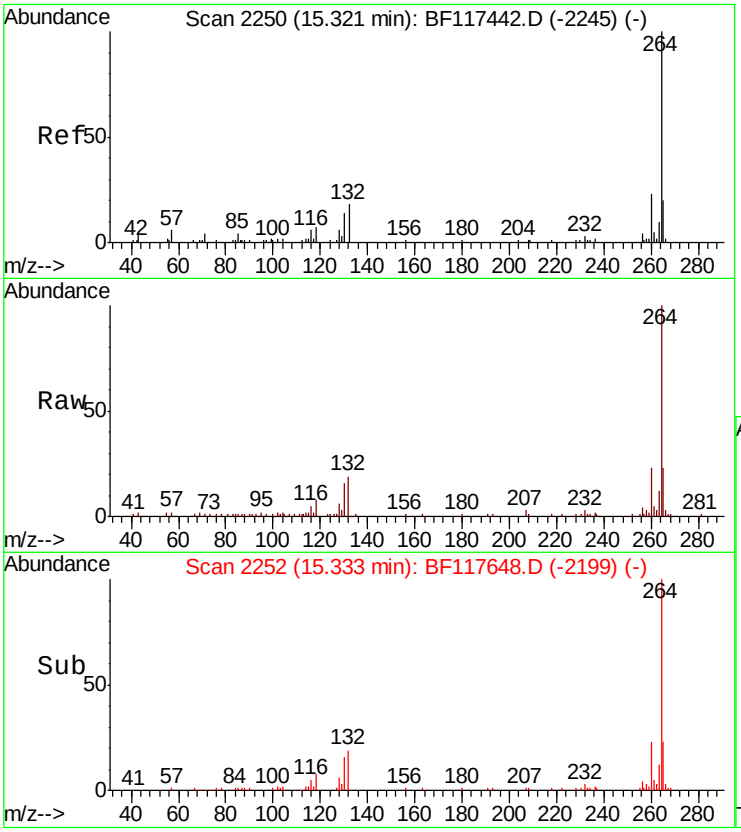


#86
Indeno(1,2,3-cd)pyrene
Concen: 5.472 ng
RT: 16.76 min Scan# 2494
Delta R.T. 0.02 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:276 Resp: 19882

Ion	Ratio	Lower	Upper
276	100		
138	29.4	21.8	32.8
277	23.6	20.0	30.0



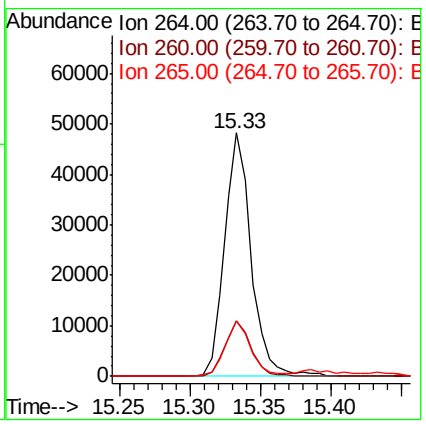


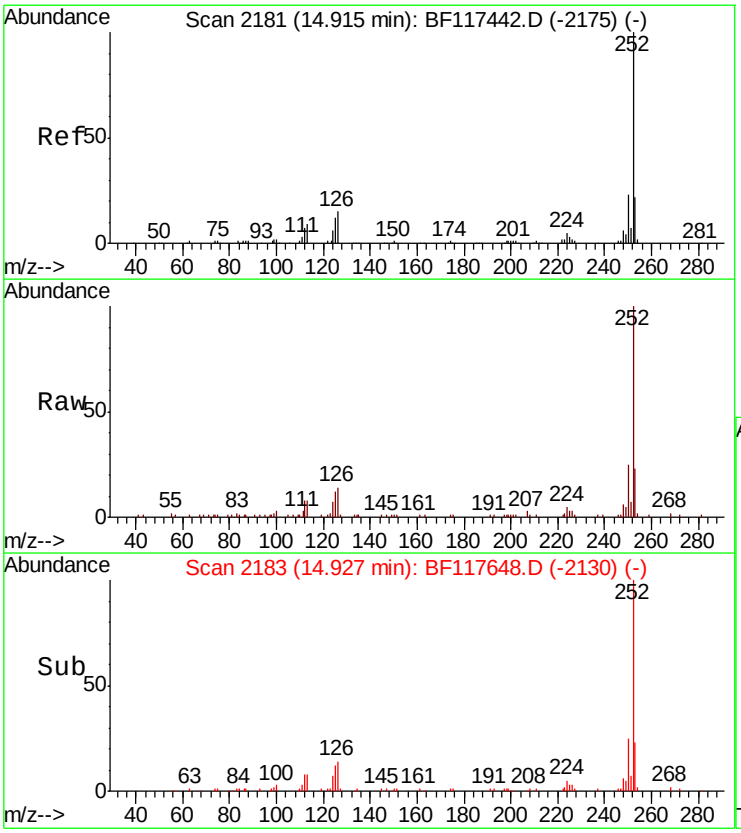
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 62864

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.4	27.6
265	22.9	16.1	24.1

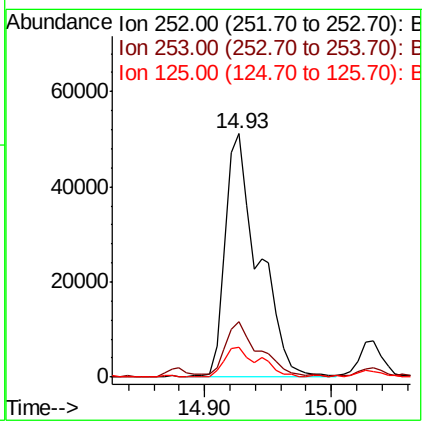


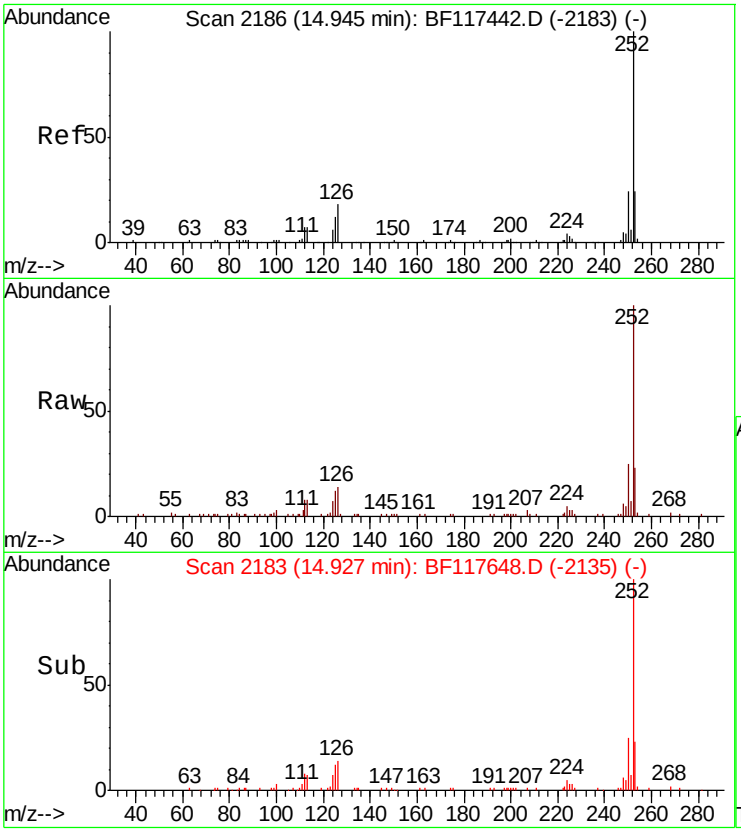


#88
Benzo(b)fluoranthene
Concen: 25.159 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:252 Resp: 93397

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.2	9.9	14.9



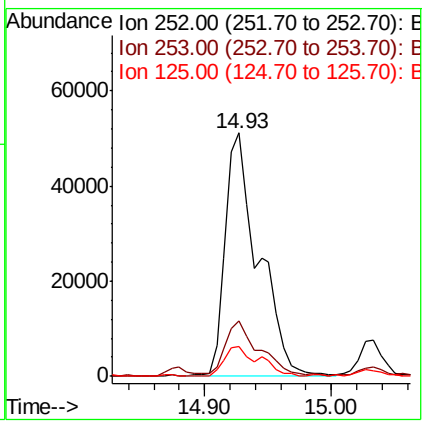


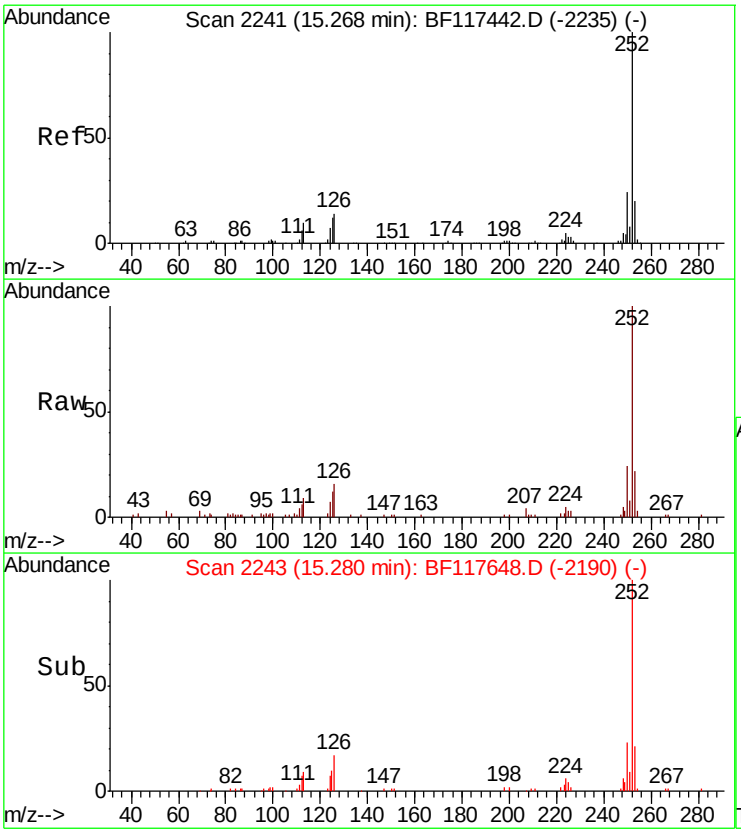
#89
Benzo(k)fluoranthene
Concen: 24.547 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 93397

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	12.2	8.9	13.3

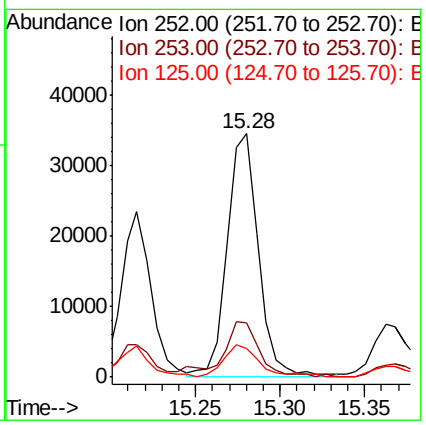


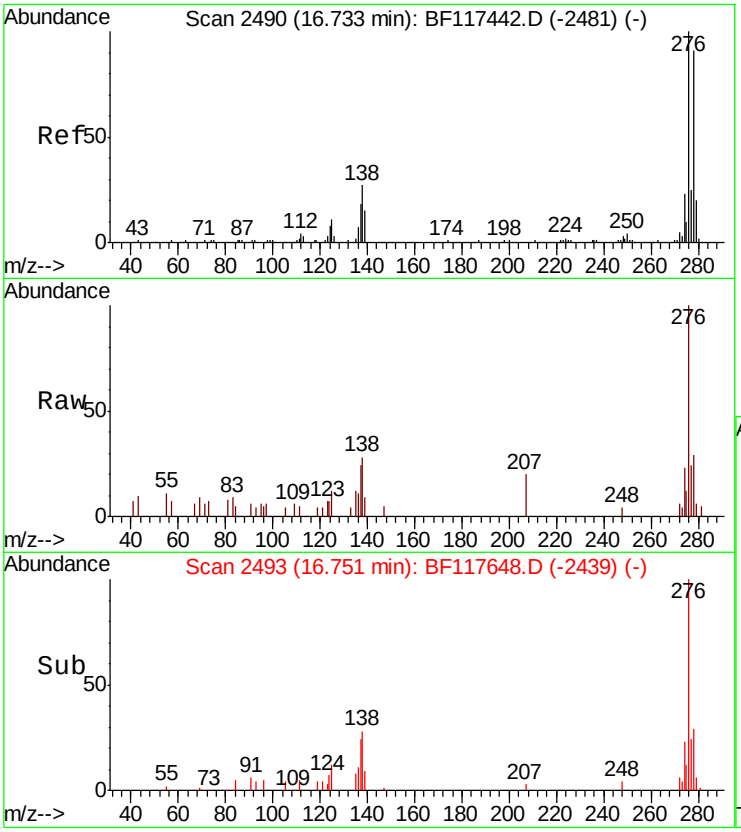


#90
Benzo(a)pyrene
Concen: 13.178 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:252 Resp: 44479

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.3	24.5
125	11.6	9.2	13.8



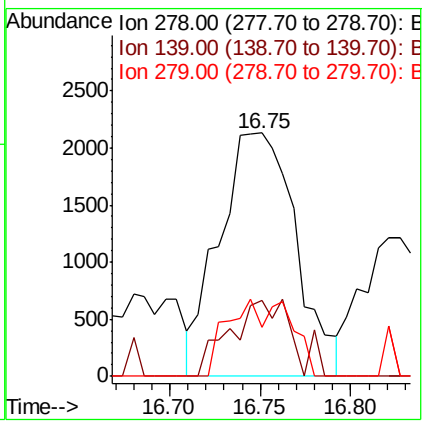


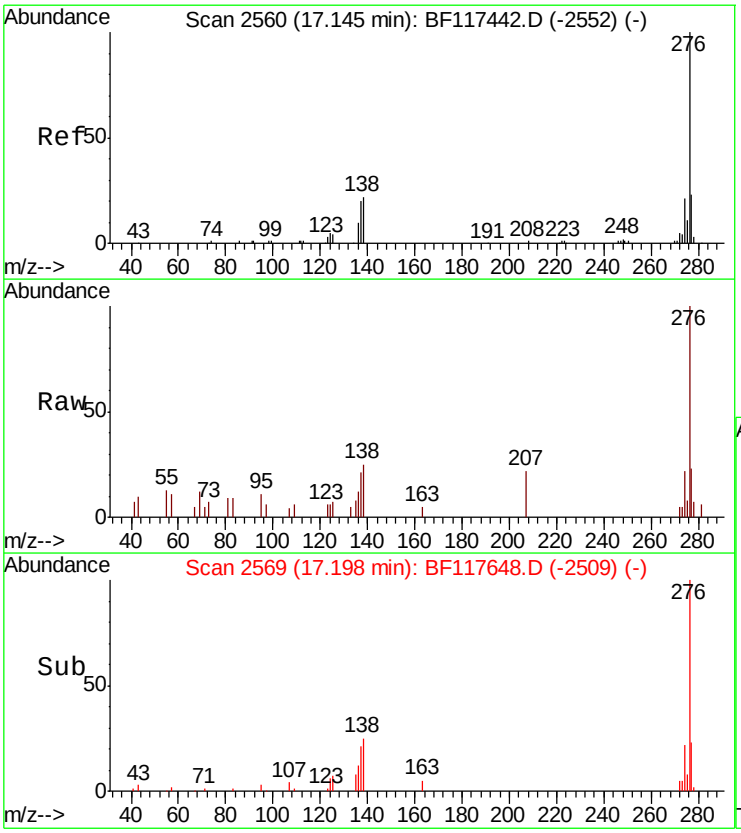
#91
Dibenzo(a,h)anthracene
Concen: 2.145 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:278 Resp: 6261

Ion	Ratio	Lower	Upper
278	100		
139	31.2	13.4	20.0#
279	20.0	17.8	26.6





#92
Benzo(g,h,i)perylene
Concen: 6.237 ng
RT: 17.20 min Scan# 2569
Delta R.T. 0.05 min
Lab File: BF117648.D
Acq: 31 Oct 2019 6:14

Tgt Ion:276 Resp: 17221

Ion	Ratio	Lower	Upper
276	100		
277	22.5	18.4	27.6
138	25.3	17.8	26.6