Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102319\
Data File : BF117494.D
Acq On : 23 Oct 2019 20:17
Operator : JU
Sample : K5494-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 24 08:24:23 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	41781	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	168790	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	88465	20.00	ng		0.00
64) Phenanthrene-d10	11.24	188	136346	20.00	ng		0.00
76) Chrysene-d12	13.89	240	83457	20.00	ng		0.00
87) Perylene-d12	15.32	264	94228	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	239522	85.29	ng		0.00
7) Phenol-d6	6.38	99	344516	91.33	ng		0.00
23) Nitrobenzene-d5	7.30	82	219673	64.25	ng		0.00
42) 2,4,6-Tribromophenol	10.55	330	64579	84.37	ng		-0.01
45) 2-Fluorobiphenyl	9.09	172	357890	57.00	ng		0.00
79) Terphenyl-d14	12.83	244	275574	53.86	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.37	77	402	Below Cal		#	3
10) Phenol	6.39	94	8593	2.232	ng		94
19) n-Nitroso-di-n-propylamine	7.30	70	28747	12.479	ng	#	78
25) Isophorone	7.30	82	219672	37.140	ng	#	65
50) Dimethylphthalate	9.48	163	47873	7.591	ng	#	99
56) 4-Nitrophenol	9.97	139	928	5.328	ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	11424	6.529	ng	#	12
67) 4-Bromophenyl-phenylether	10.55	248	4205	2.863	ng	#	1
71) Phenanthrene	11.27	178	88453	11.172	ng		98
72) Anthracene	11.33	178	33487	4.122	ng		95
75) Fluoranthene	12.46	202	157717	19.900	ng		98
77) Benzidine	12.83	184	3919	Below Cal		#	92
78) Pyrene	12.69	202	124970	17.433	ng		99
81) Benzo(a)anthracene	13.88	228	59333	10.540	ng		99
83) Chrysene	13.92	228	47659	8.638	ng		97
86) Indeno(1,2,3-cd)pyrene	16.73	276	24353	5.912	ng		99
88) Benzo(b)fluoranthene	14.92	252	83598	15.024	ng		98
89) Benzo(k)fluoranthene	14.92	252	83598	14.658	ng		98
90) Benzo(a)pyrene	15.26	252	46484	9.188	ng	#	93
92) Benzo(g,h,i)perylene	17.16	276	20351	4.917	ng		98

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

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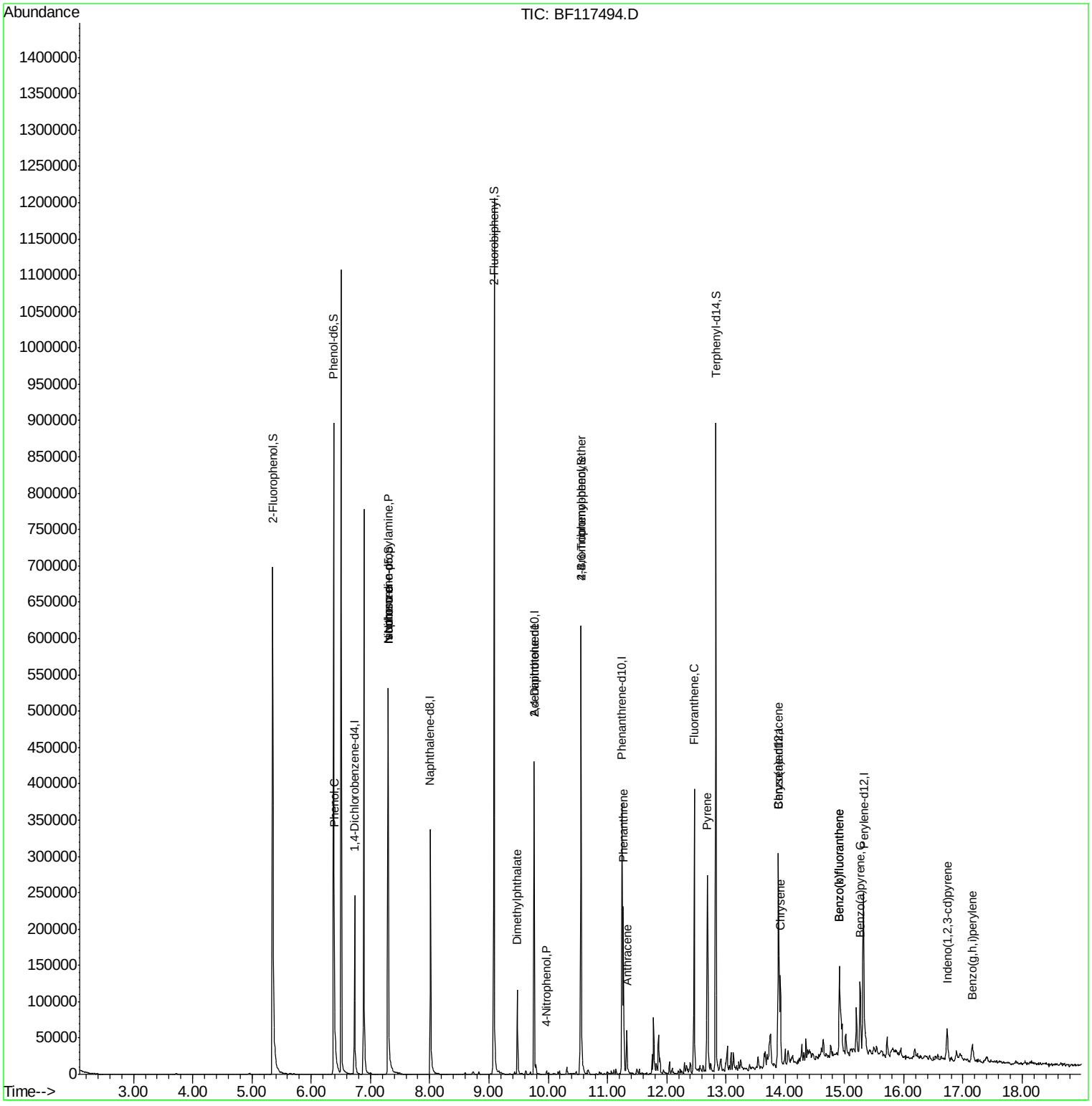
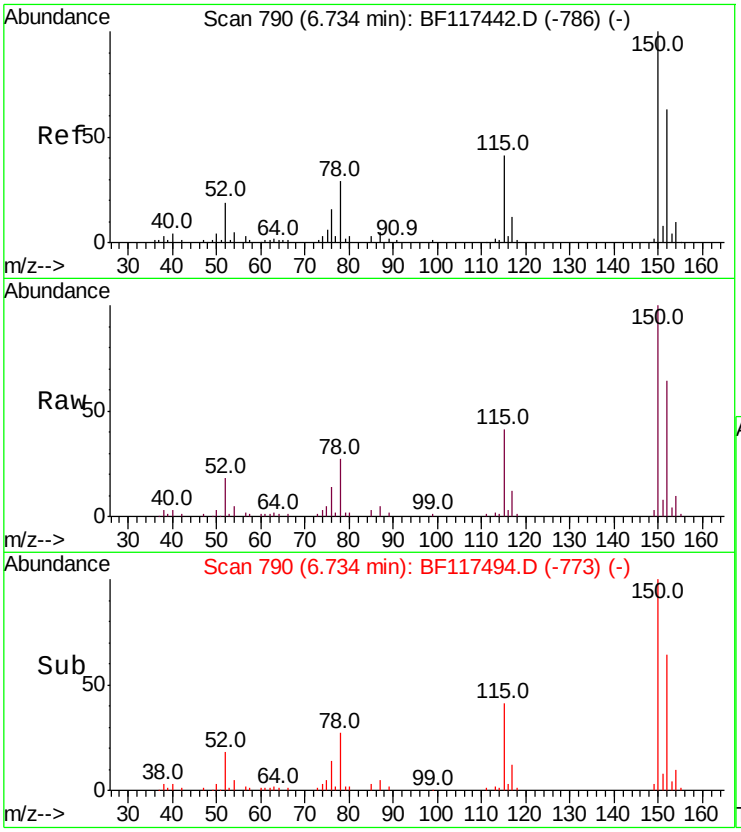


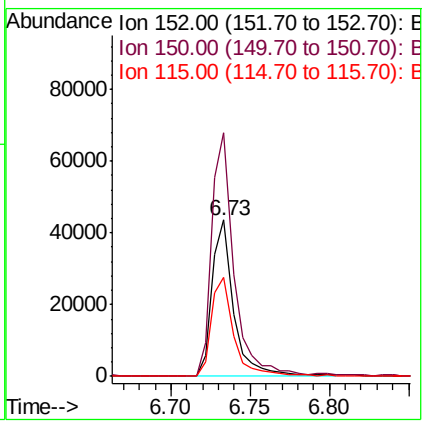


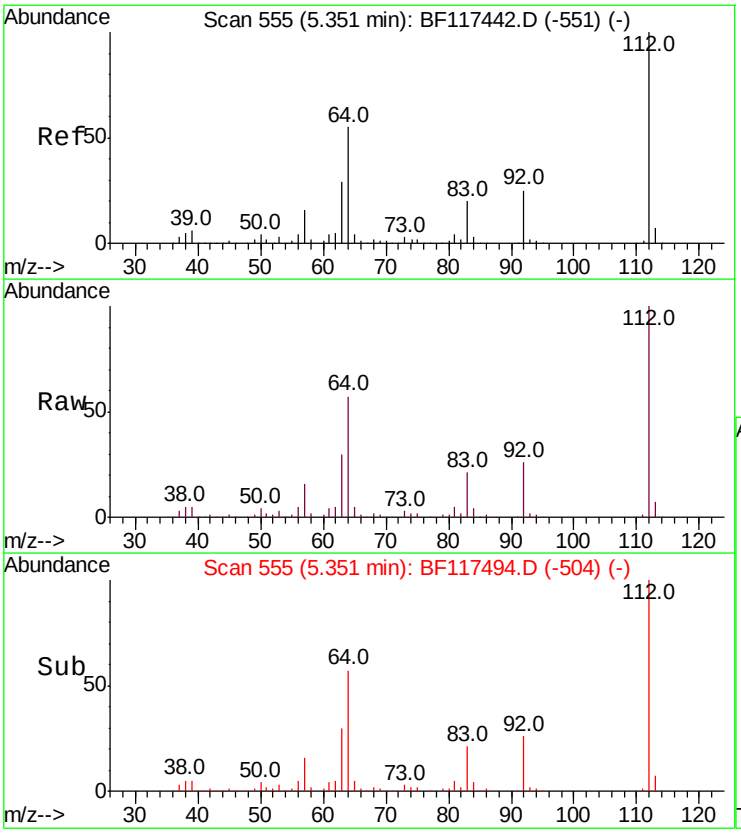
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 41781

Ion	Ratio	Lower	Upper
152	100		
150	155.6	126.8	190.2
115	63.0	51.6	77.4

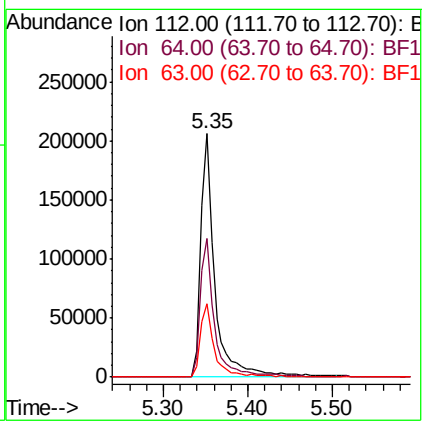


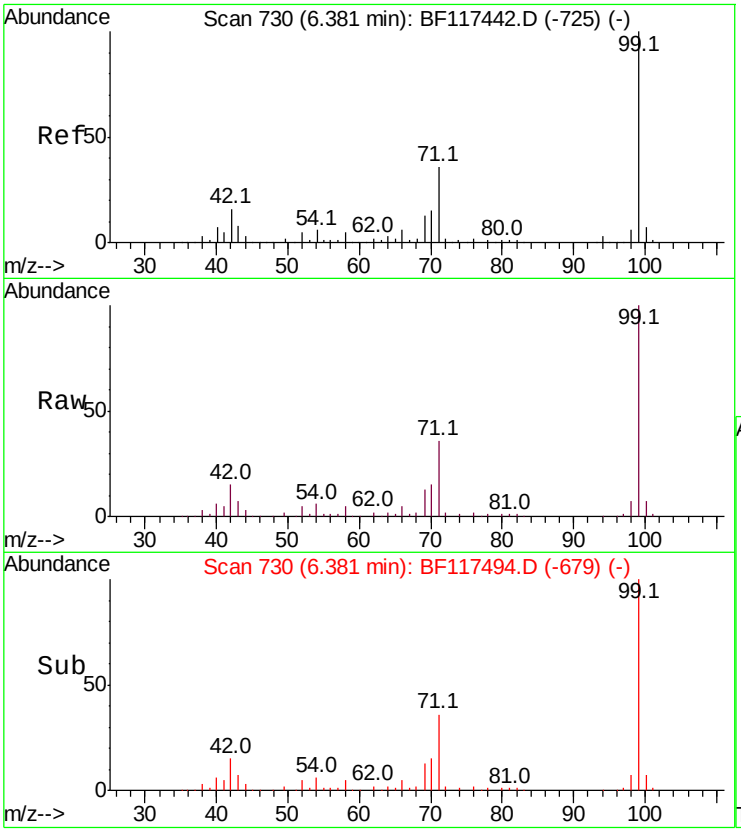


#5
2-Fluorophenol
Concen: 85.287 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:112 Resp: 239522

Ion	Ratio	Lower	Upper
112	100		
64	57.1	44.1	66.1
63	30.3	23.4	35.2



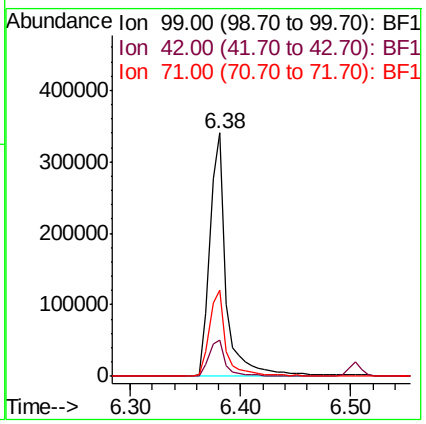


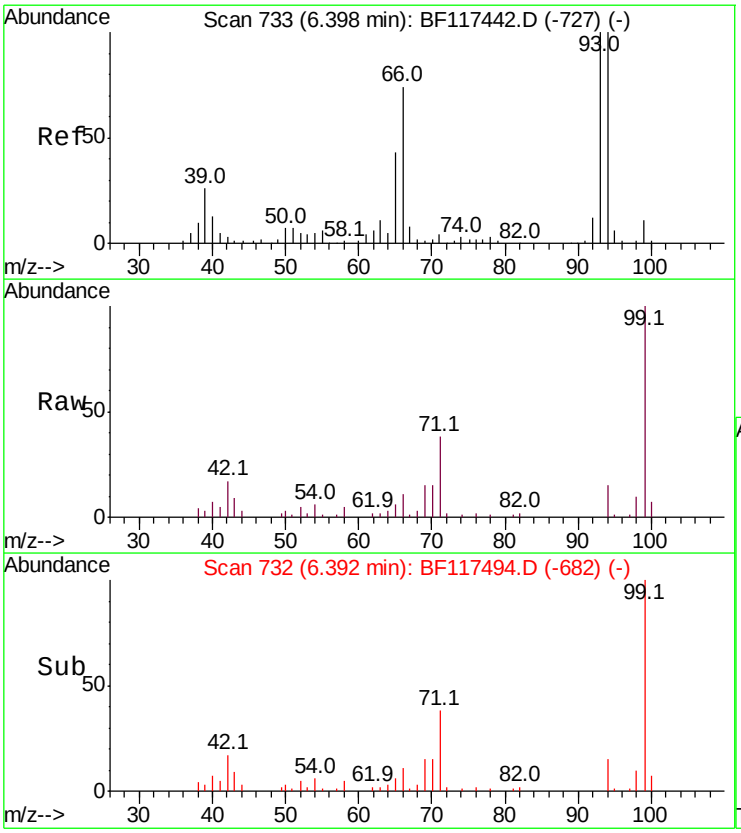
#7
Phenol-d6
Concen: 91.334 ng
RT: 6.38 min Scan# 730
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 344516

Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.8	19.2
71	35.6	28.6	43.0

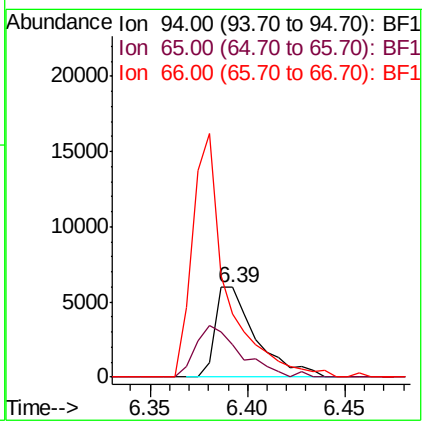


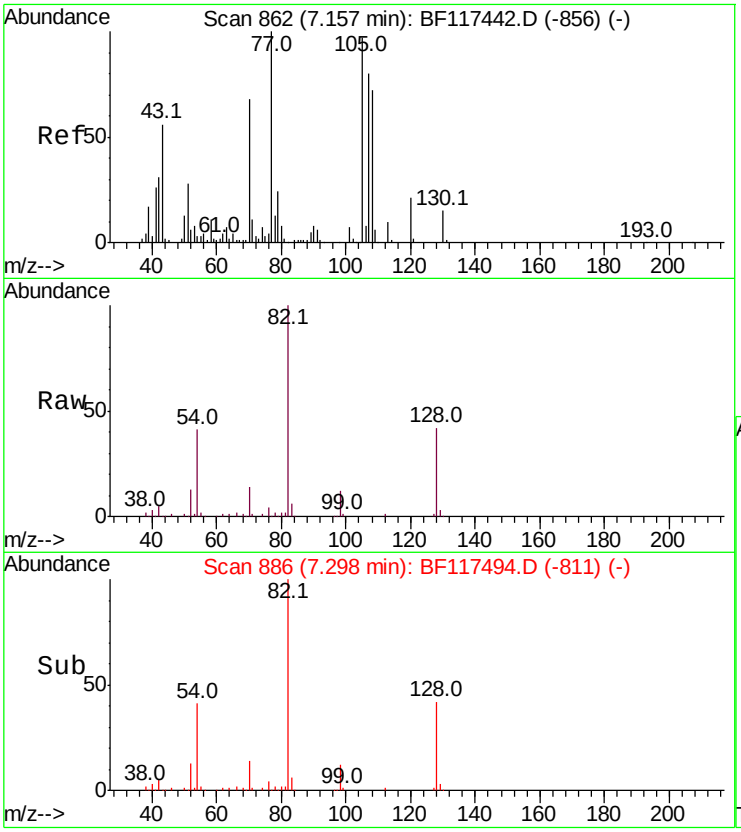


#10
Phenol
Concen: 2.232 ng
RT: 6.39 min Scan# 732
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion: 94 Resp: 8593

Ion	Ratio	Lower	Upper
94	100		
65	36.9	23.4	63.4
66	71.1	54.7	94.7



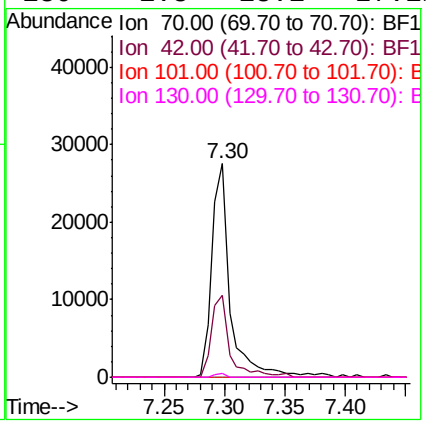


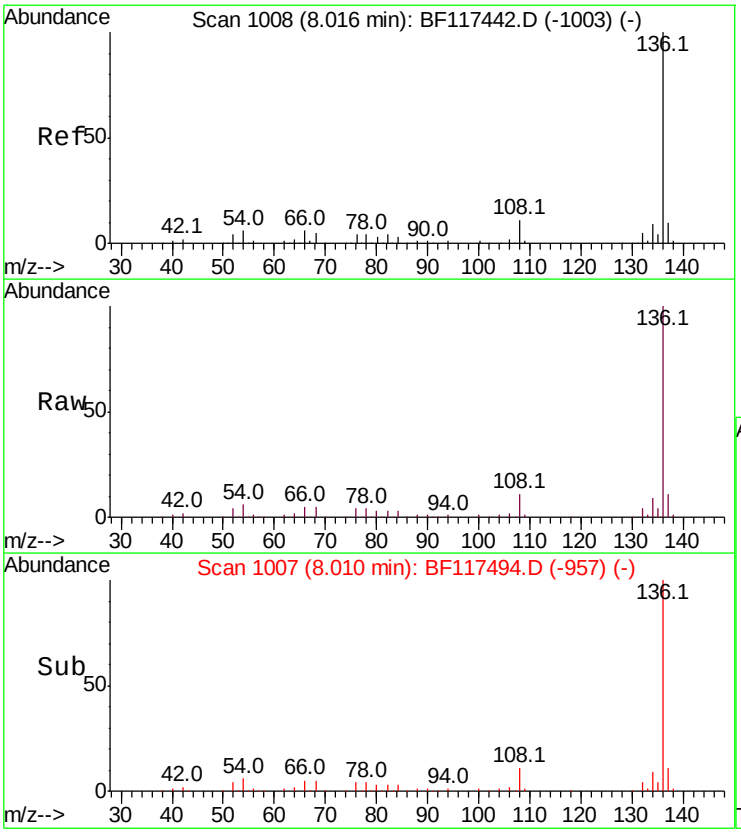
#19
n-Nitroso-di-n-propylamine
Concen: 12.479 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.14 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 28747

Ion	Ratio	Lower	Upper
70	100		
42	38.6	36.7	55.1
101	0.0	8.3	12.5#
130	1.8	18.1	27.1#

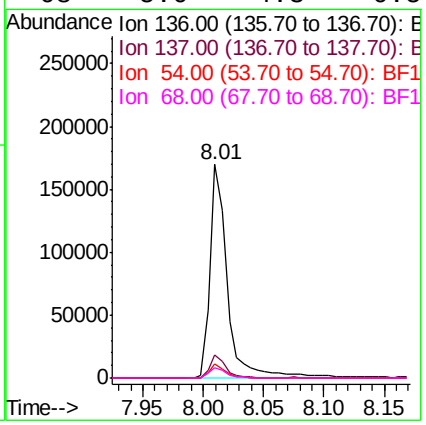


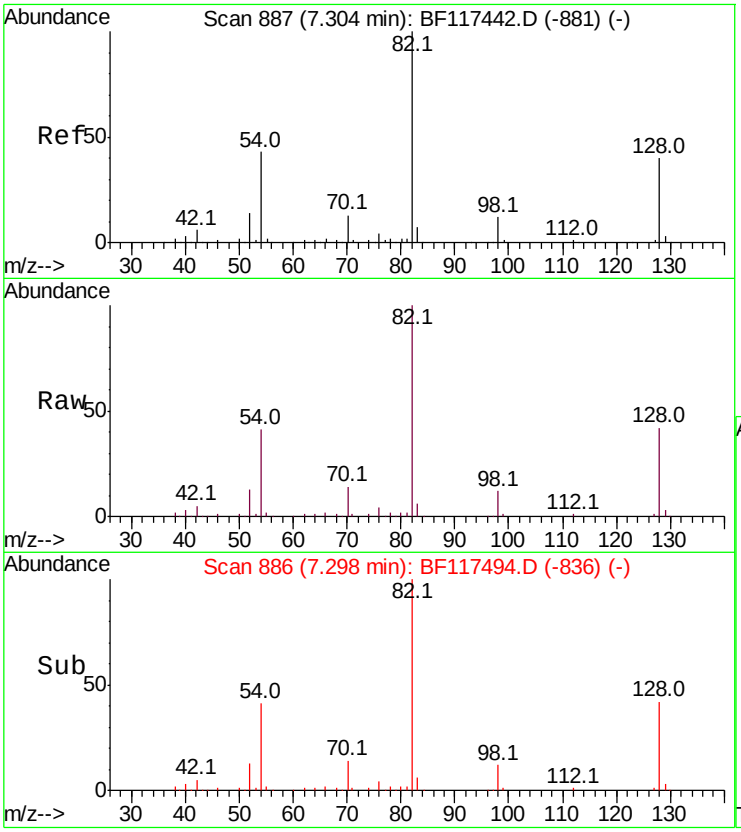


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:136 Resp: 168790

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	6.5	4.5	6.7
68	5.0	4.3	6.5



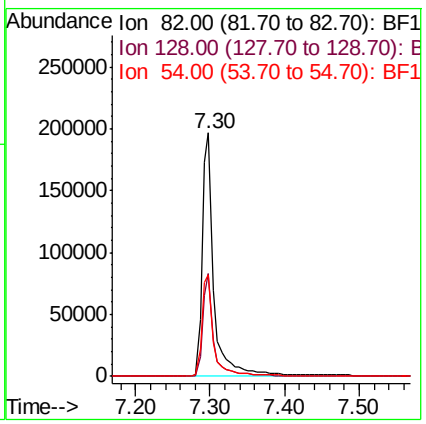


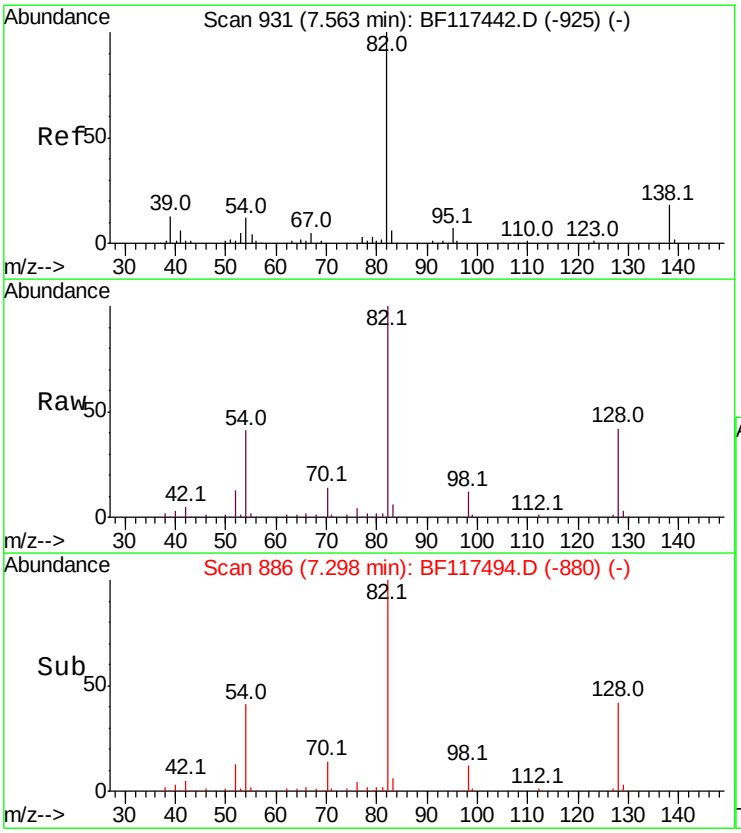
#23
Nitrobenzene-d5
Concen: 64.250 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 219673

Ion	Ratio	Lower	Upper
82	100		
128	42.3	32.2	48.2
54	41.5	34.2	51.2

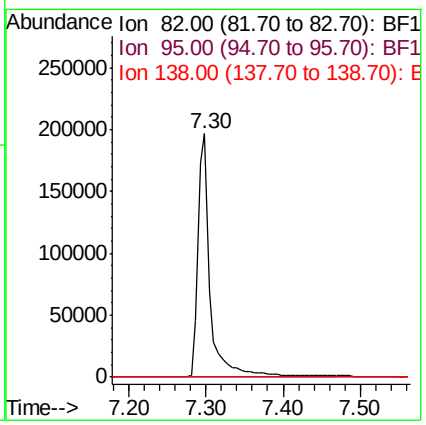


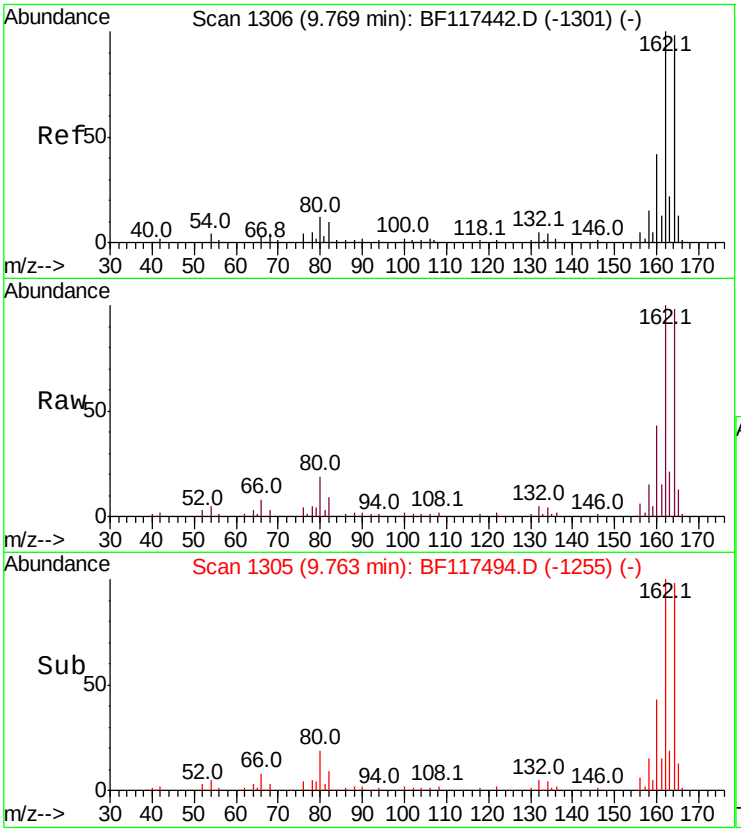


#25
Isophorone
Concen: 37.140 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.26 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion: 82 Resp: 219672

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



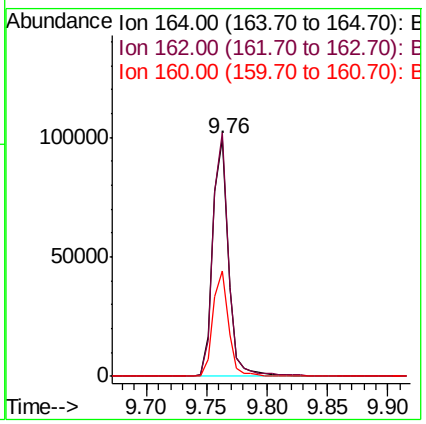


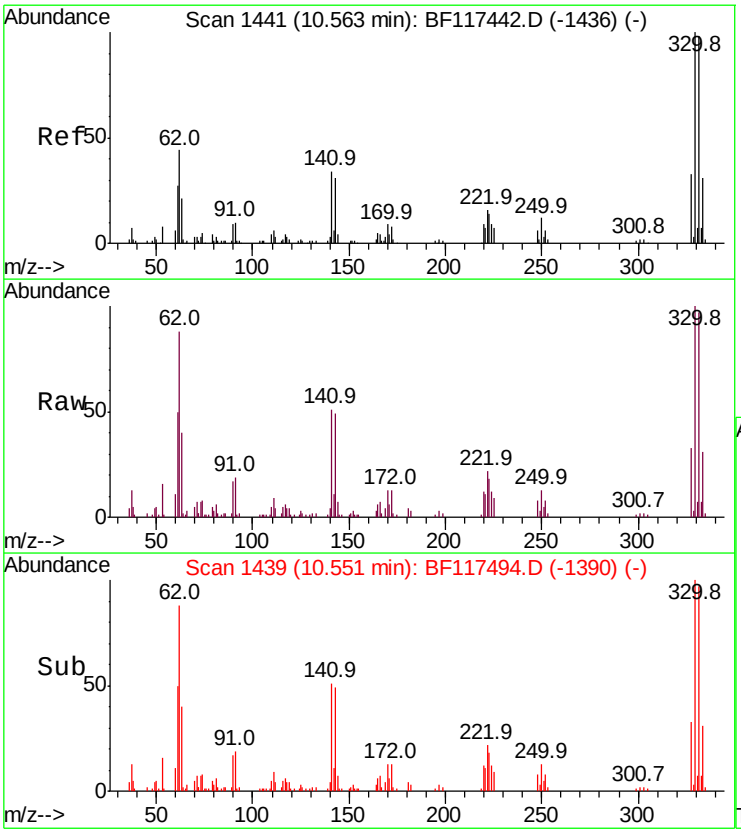
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 88465

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.8	122.6
160	44.3	34.4	51.6

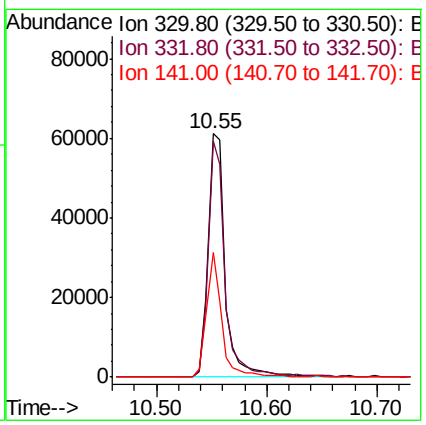


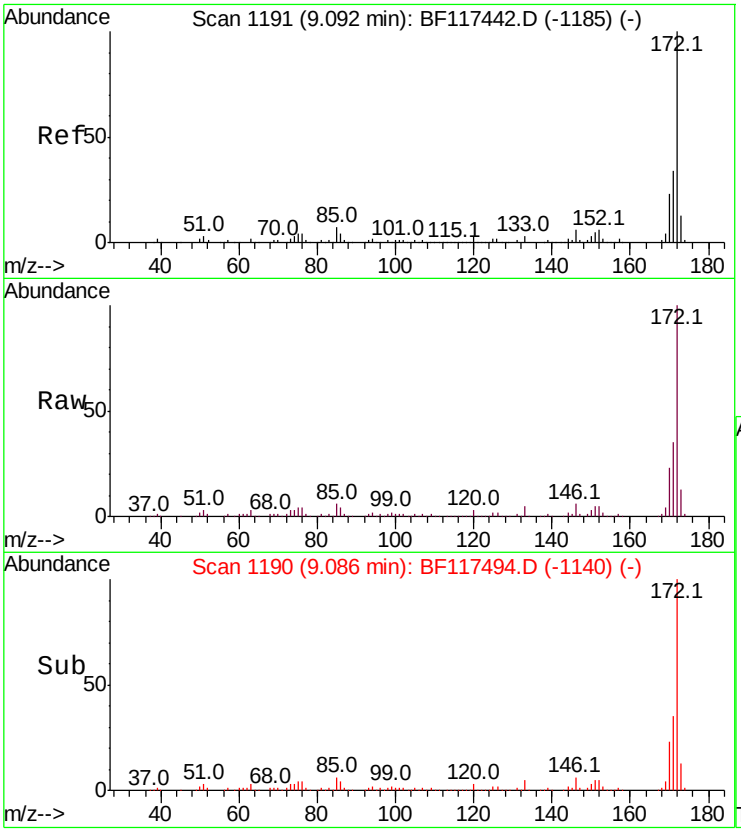


#42
2,4,6-Tribromophenol
Concen: 84.367 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:330 Resp: 64579

Ion	Ratio	Lower	Upper
330	100		
332	93.5	78.5	117.7
141	44.7	37.0	55.6



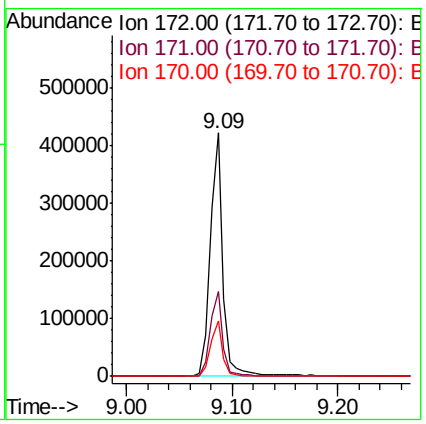


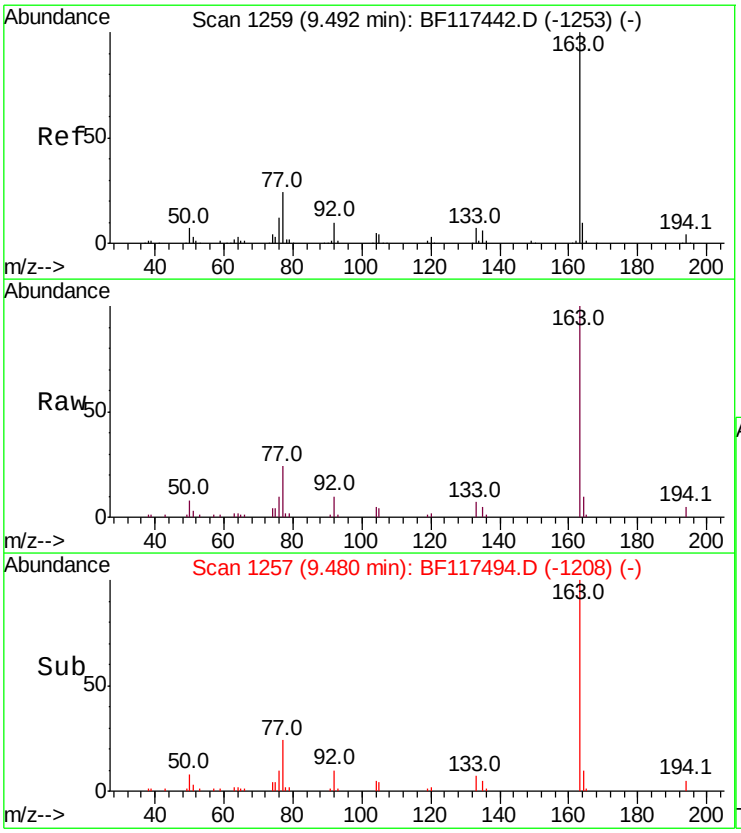
#45
2-Fluorobiphenyl
Concen: 57.001 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 357890

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.5	41.3
170	22.9	18.6	27.8

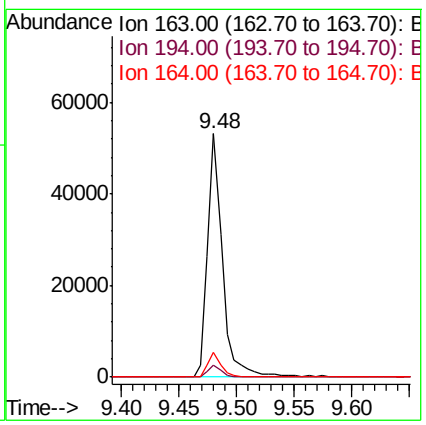


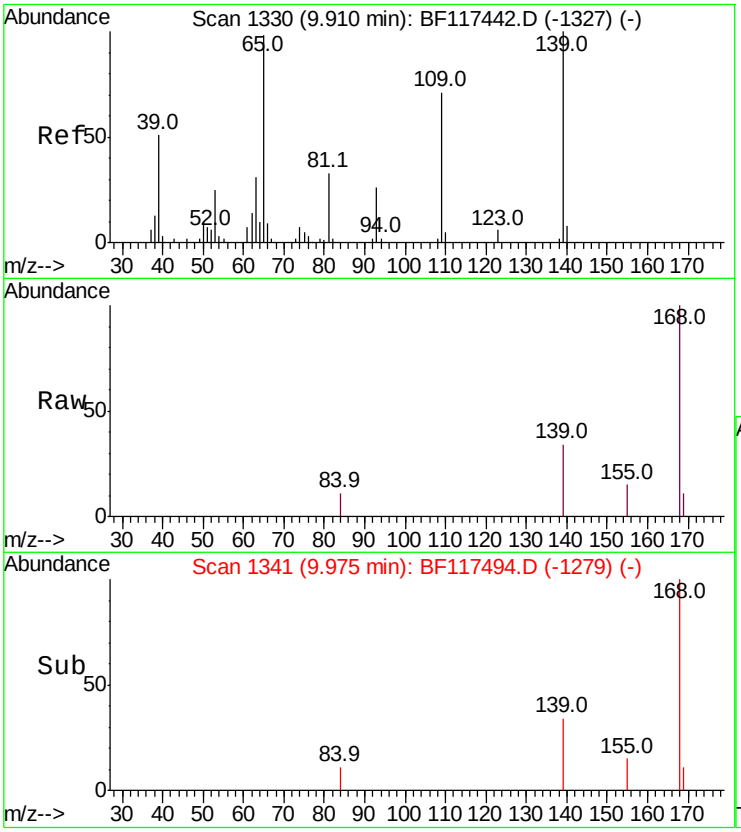


#50
Dimethylphthalate
Concen: 7.591 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:163 Resp: 47873

Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.9	4.3#
164	10.2	8.2	12.2



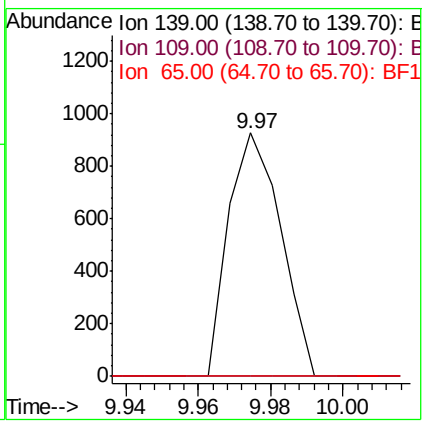


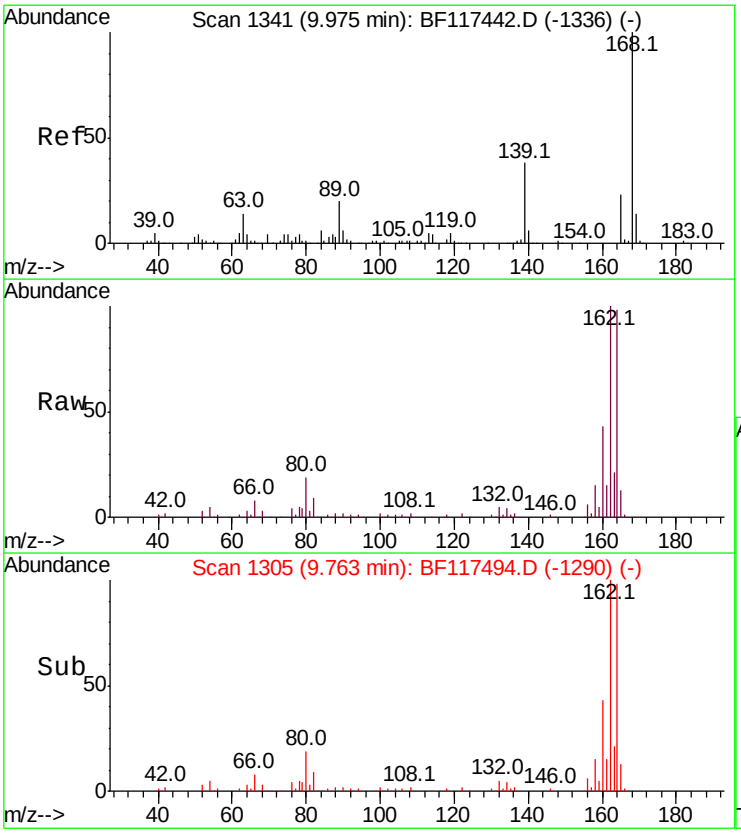
#56
4-Nitrophenol
Concen: 5.328 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 928

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

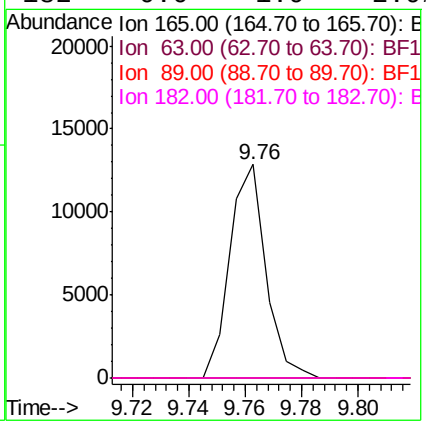


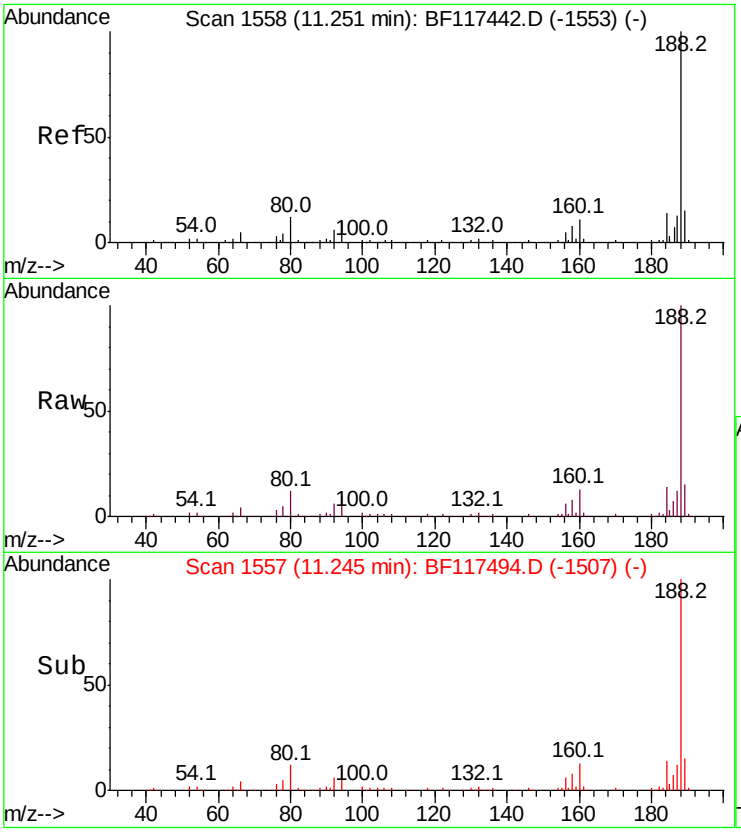


#57
2,4-Dinitrotoluene
Concen: 6.529 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:165 Resp: 11424

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#



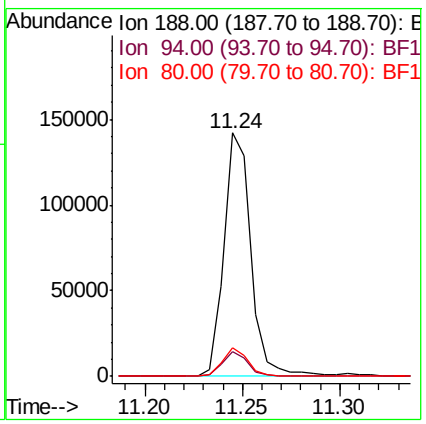


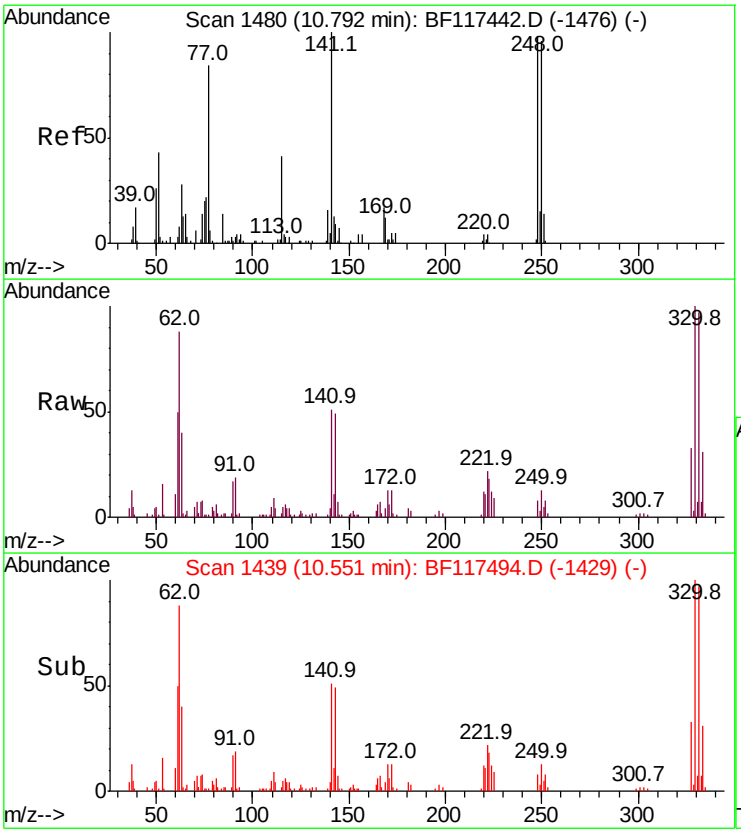
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 136346

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.0	12.0
80	11.9	9.5	14.3

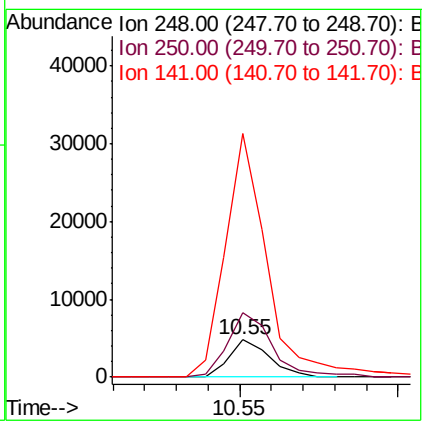


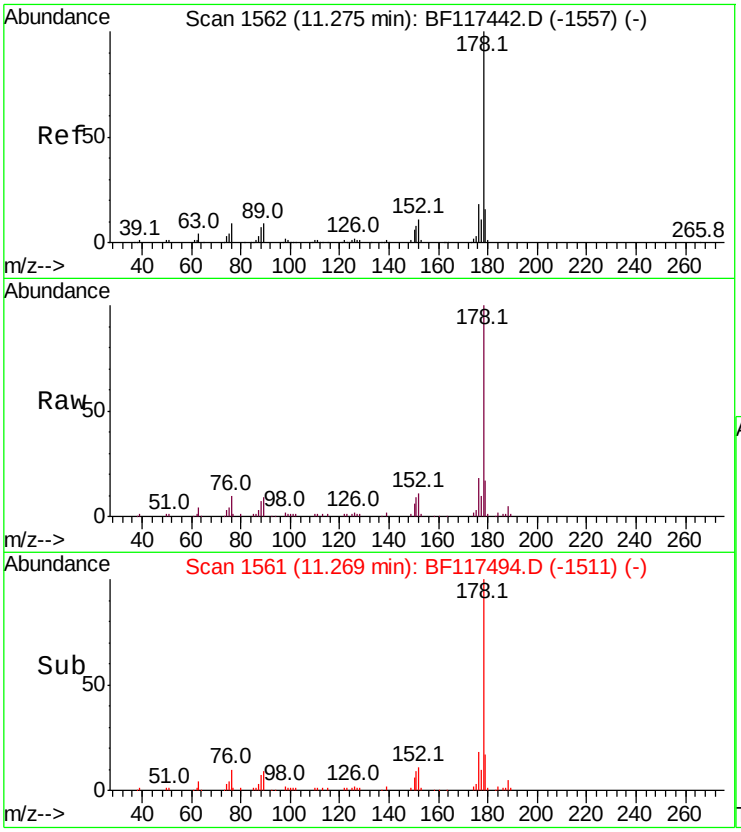


#67
4-Bromophenyl-phenylether
Concen: 2.863 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.24 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:248 Resp: 4205

Ion	Ratio	Lower	Upper
248	100		
250	172.5	78.0	117.0#
141	655.8	81.7	122.5#



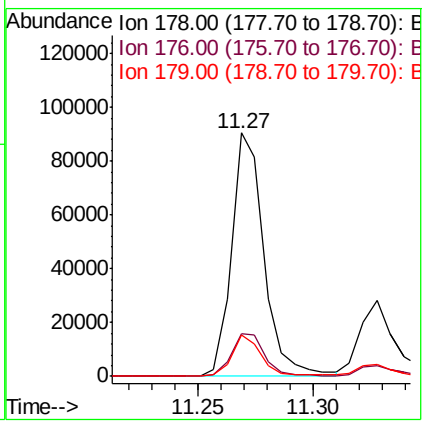


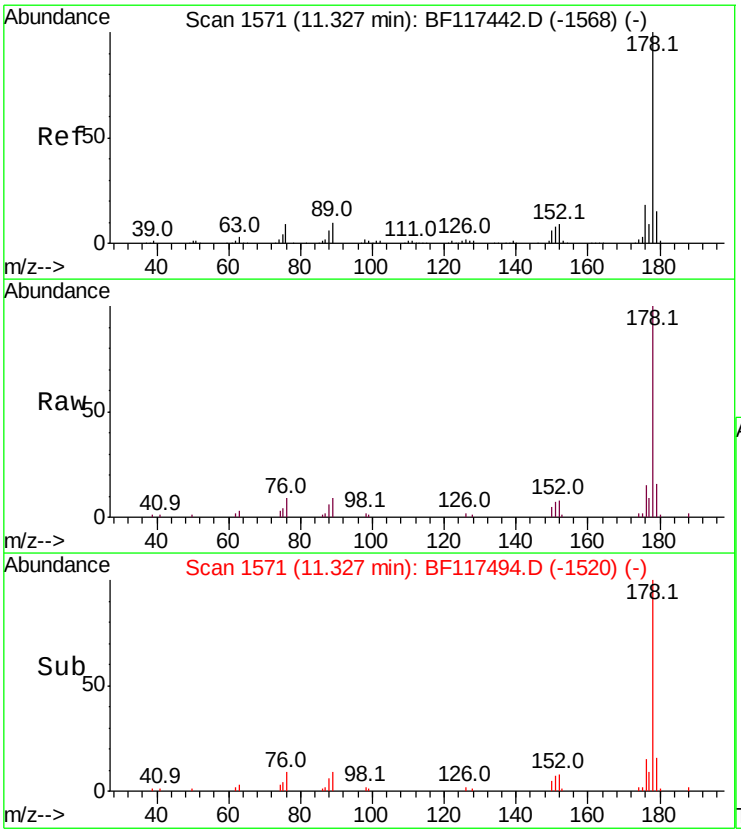
#71
Phenanthrene
Concen: 11.172 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 88453

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.6	22.0
179	16.8	12.6	19.0

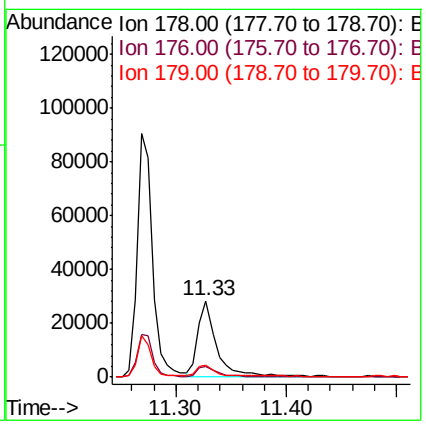


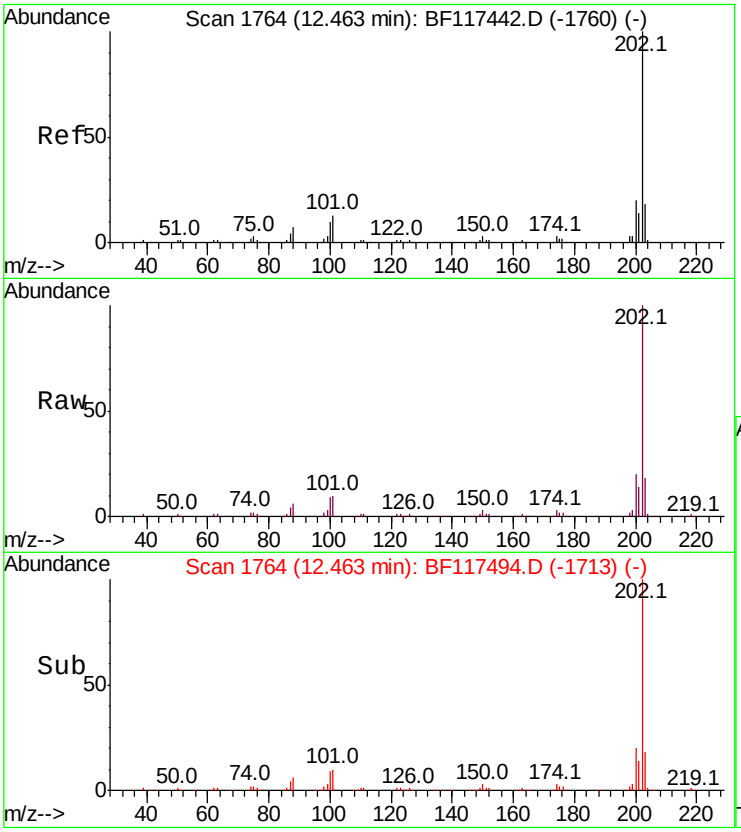


#72
Anthracene
Concen: 4.122 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:178 Resp: 33487

Ion	Ratio	Lower	Upper
178	100		
176	14.7	14.7	22.1
179	15.9	12.2	18.2



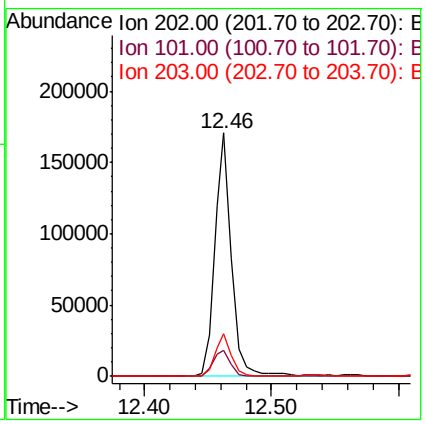


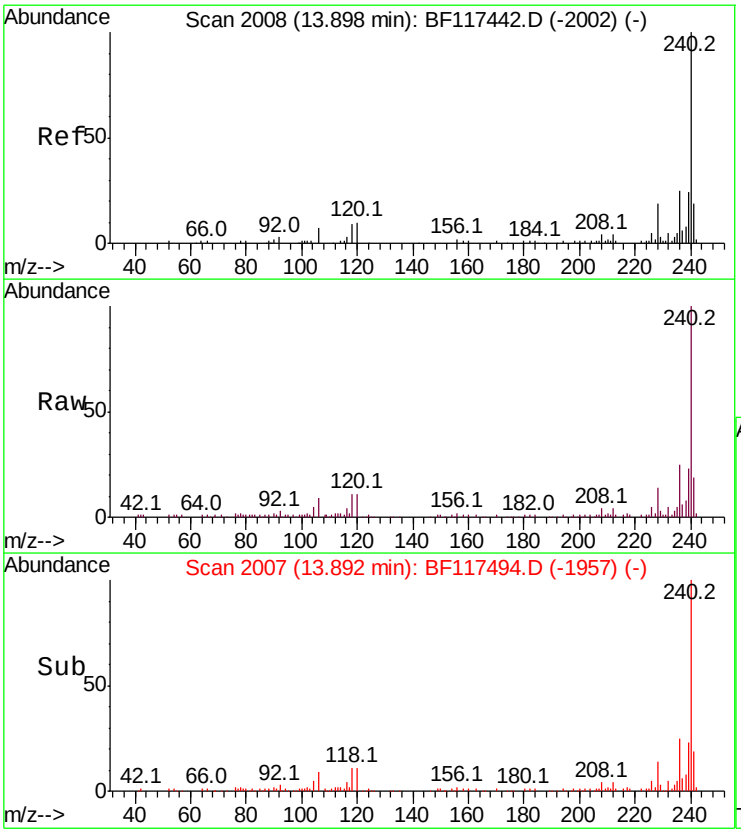
#75
Fluoranthene
Concen: 19.900 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 157717

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.7
203	17.6	0.0	37.6

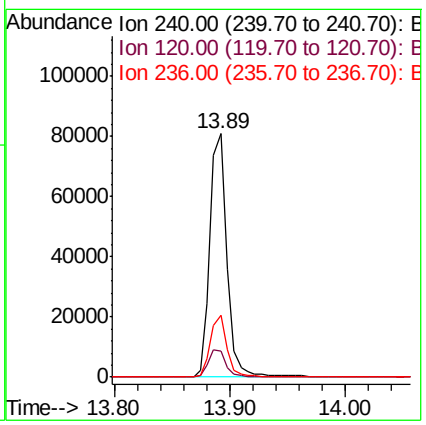


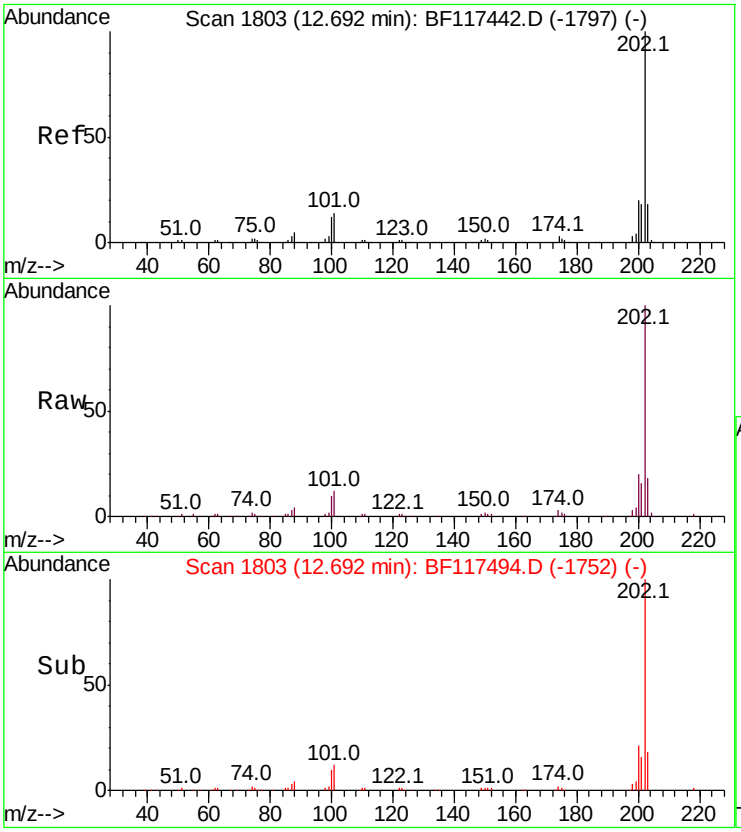


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:240 Resp: 83457

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.4	20.0	30.0



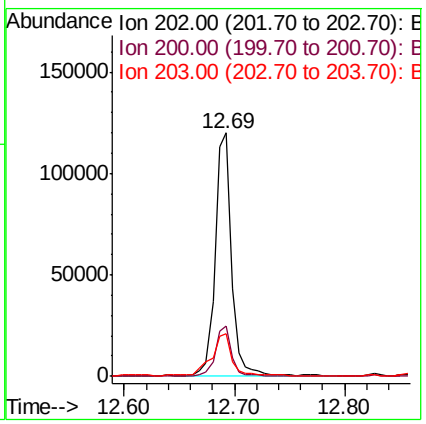


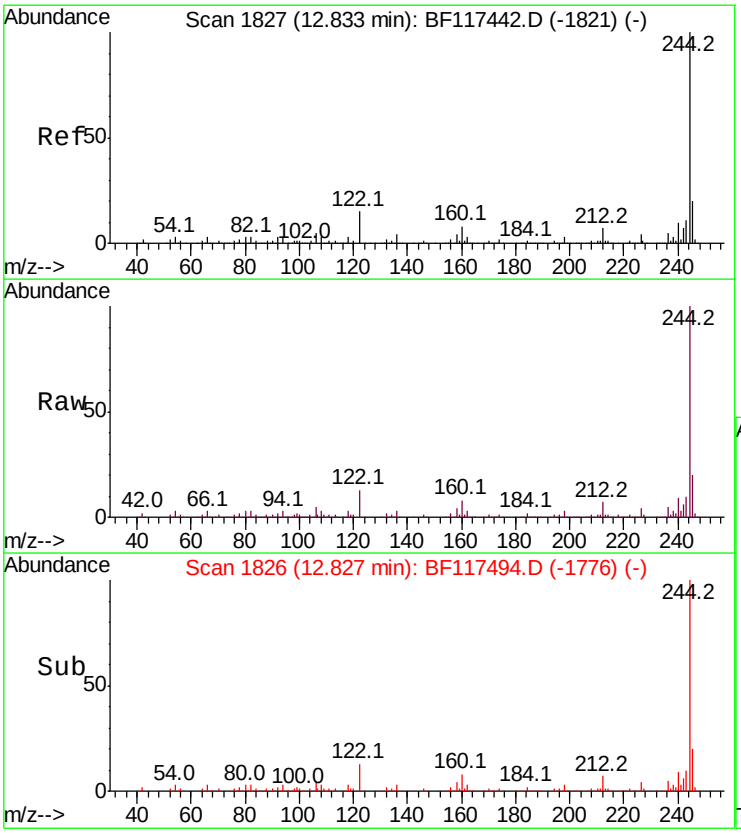
#78
Pyrene
Concen: 17.433 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 124970

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	17.7	14.0	21.0

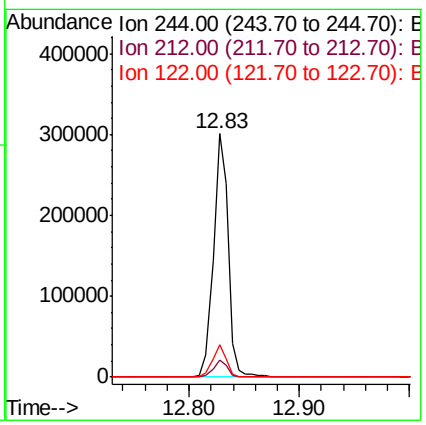


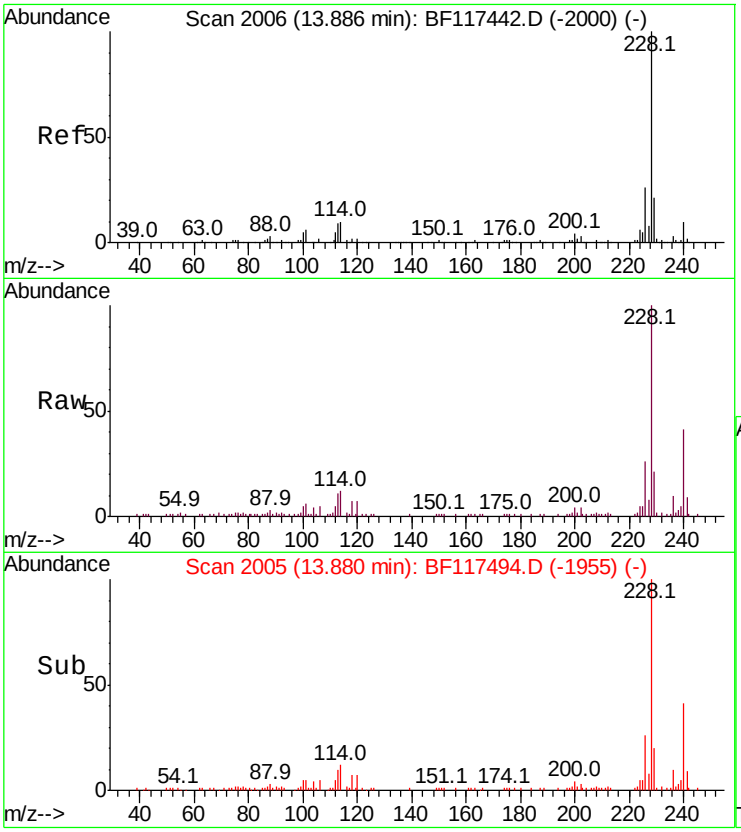


#79
Terphenyl-d14
Concen: 53.859 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:244 Resp: 275574

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	13.4	11.8	17.8



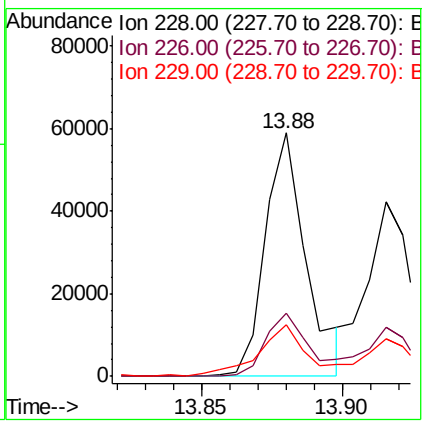


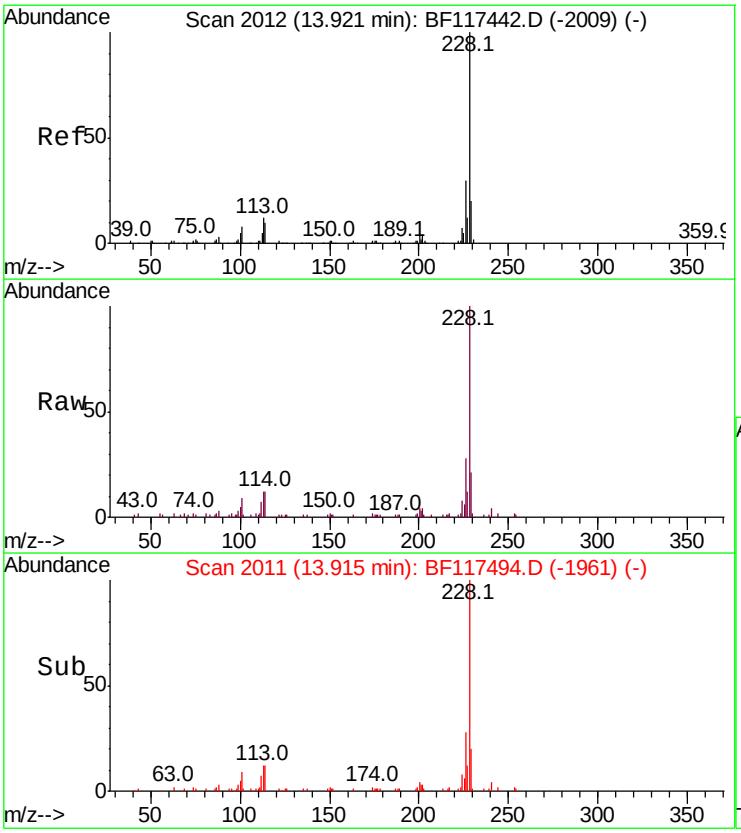
#81
Benzo(a)anthracene
Concen: 10.540 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 59333

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.0	31.4
229	21.0	16.4	24.6

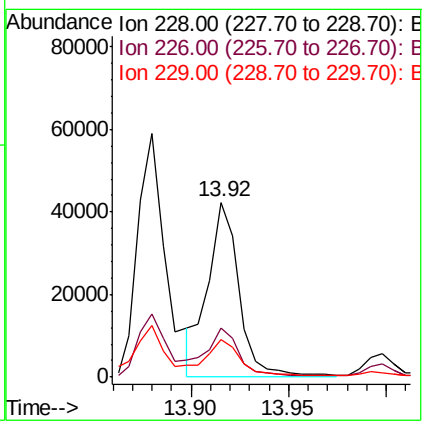


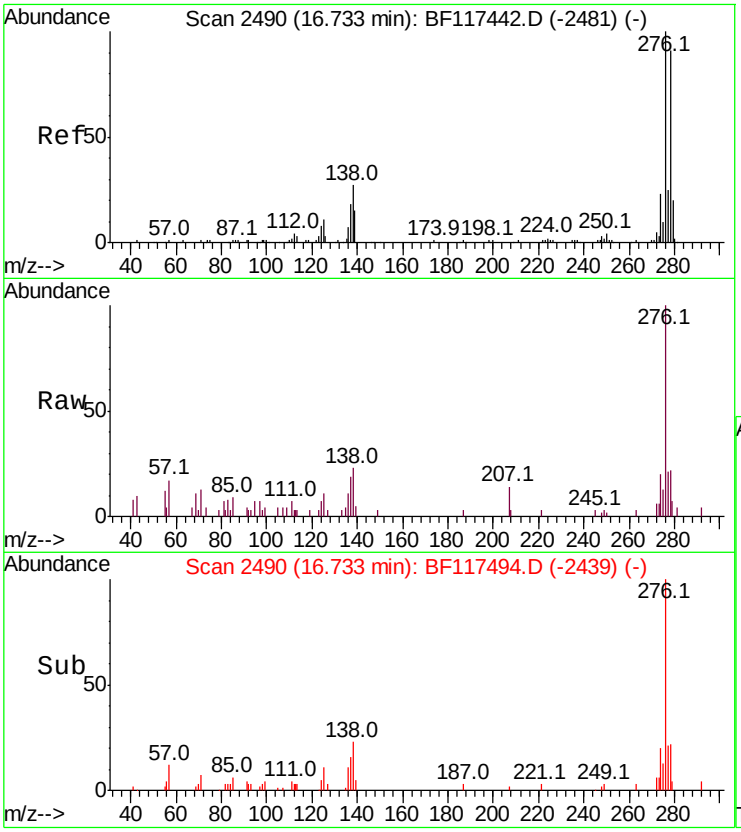


#83
Chrysene
Concen: 8.638 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:228 Resp: 47659

Ion	Ratio	Lower	Upper
228	100		
226	28.0	23.9	35.9
229	21.1	15.8	23.6



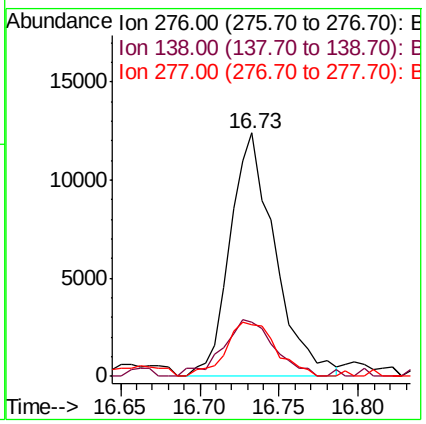


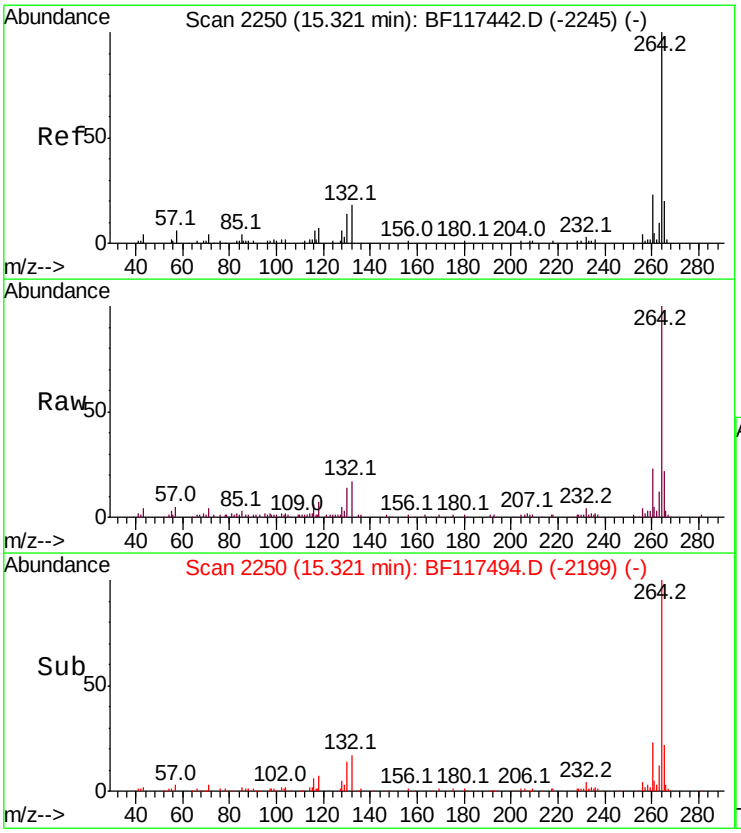
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.912 ng
RT: 16.73 min Scan# 2490
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 24353

Ion	Ratio	Lower	Upper
276	100		
138	26.7	21.8	32.8
277	24.8	20.0	30.0

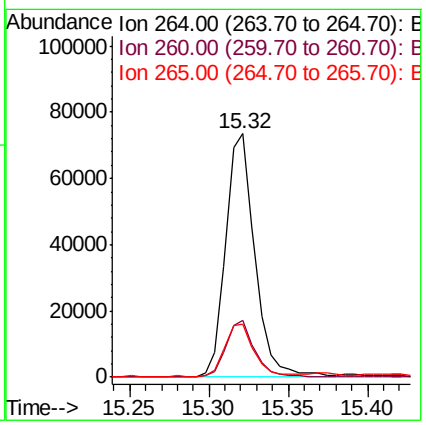


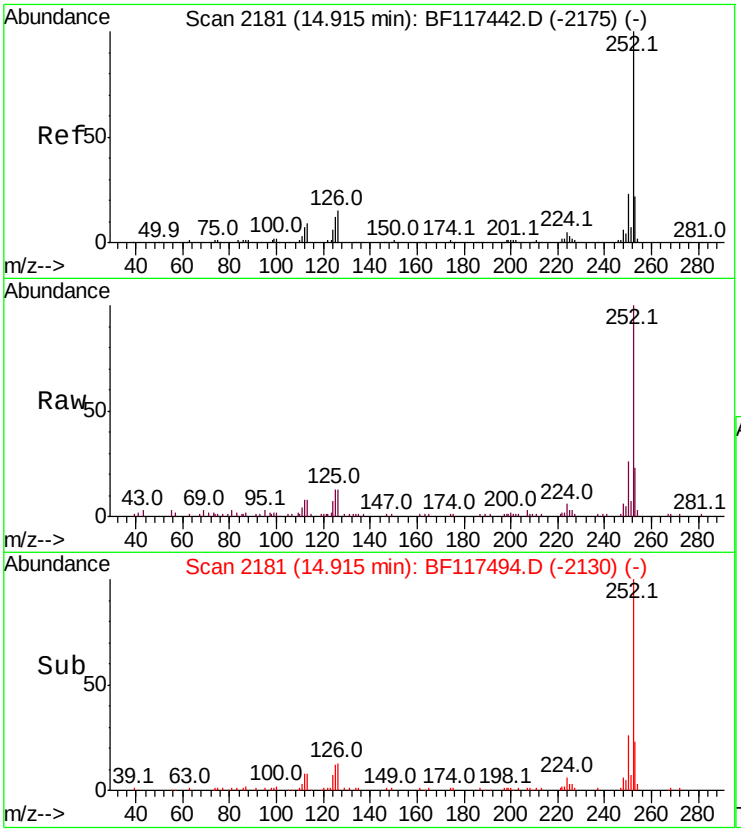


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:264 Resp: 94228

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.4	27.6
265	21.7	16.1	24.1



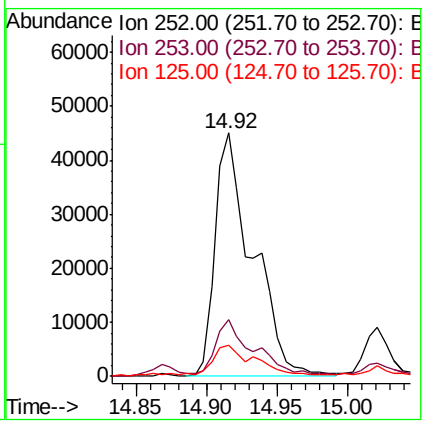


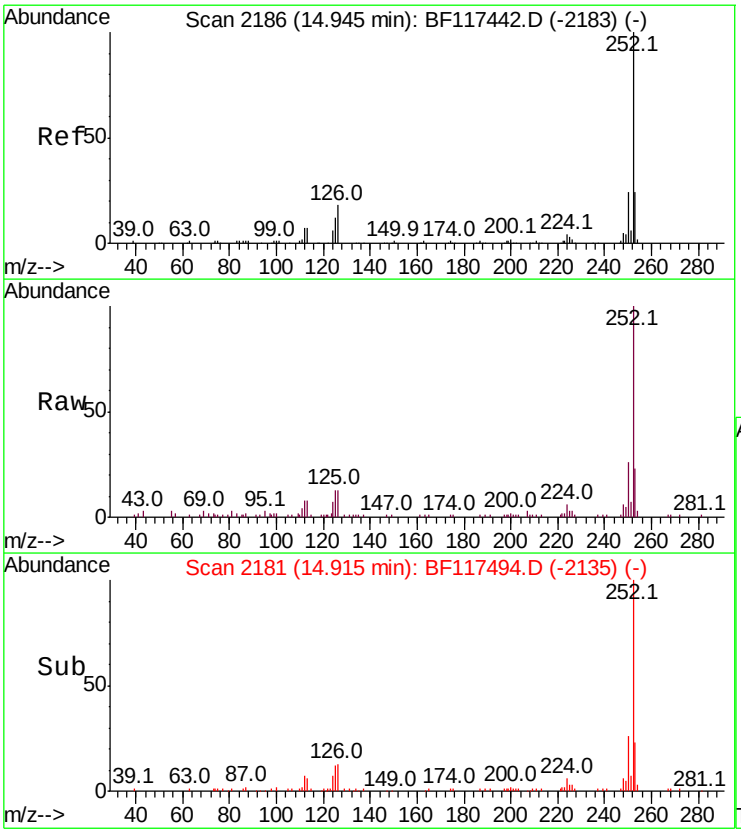
#88
Benzo(b)fluoranthene
Concen: 15.024 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.00 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 83598

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.8	9.9	14.9

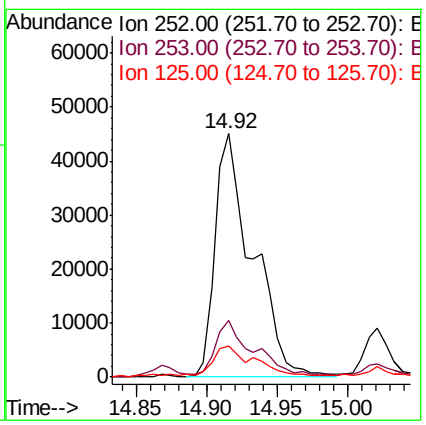


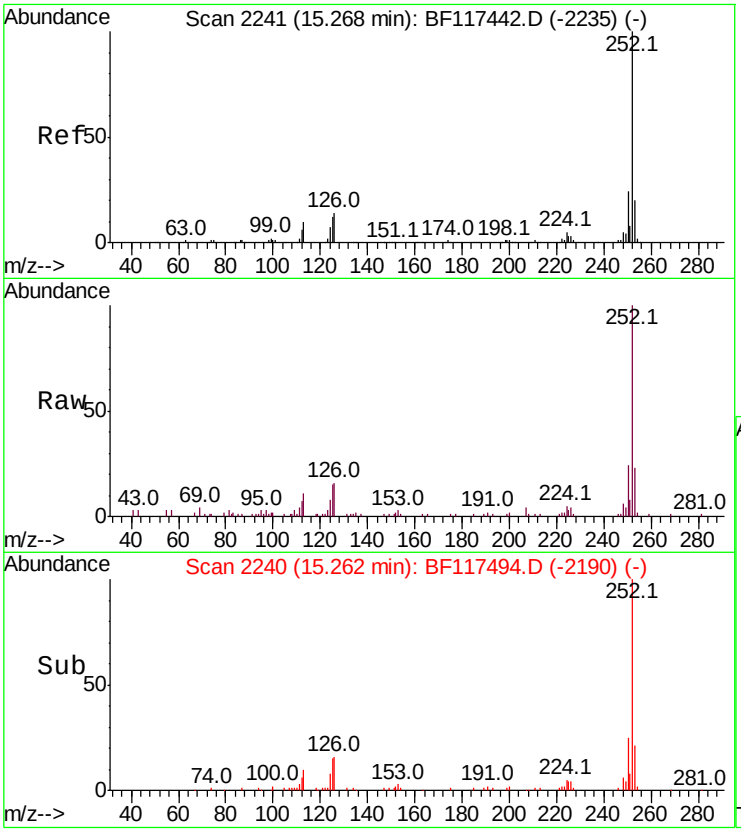


#89
Benzo(k)fluoranthene
Concen: 14.658 ng
RT: 14.92 min Scan# 2181
Delta R.T. -0.03 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:252 Resp: 83598

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.8	8.9	13.3



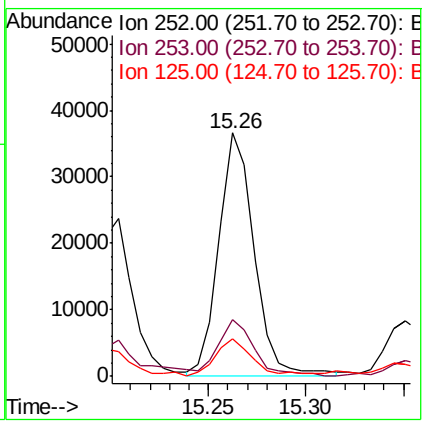


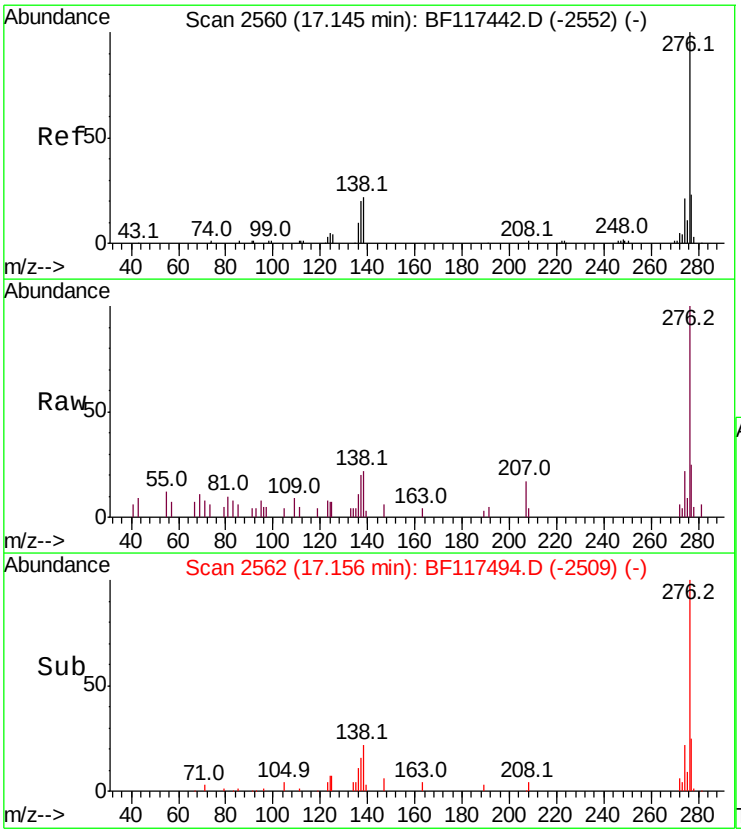
#90
Benzo(a)pyrene
Concen: 9.188 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Instrument :
BNA_F
ClientSampleId :

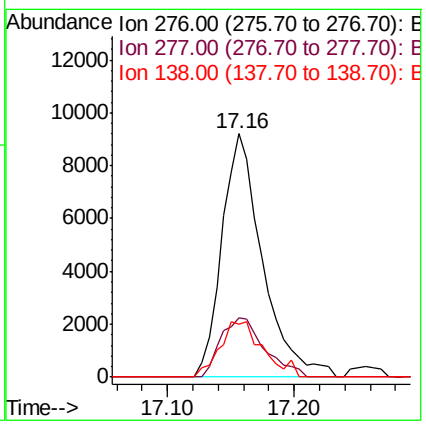
Tgt Ion:252 Resp: 46484

Ion	Ratio	Lower	Upper
252	100		
253	23.2	16.3	24.5
125	15.4	9.2	13.8#





#92
Benzo(g,h,i)perylene
Concen: 4.917 ng
RT: 17.16 min Scan# 2562
Delta R.T. 0.01 min
Lab File: BF117494.D
Acq: 23 Oct 2019 20:17

Tgt Ion:276 Resp: 20351

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.4	27.6
138	21.9	17.8	26.6