Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117996.D
Acq On : 26 Nov 2019 5:29
Operator : JU
Sample : K5672-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Nov 26 06:06:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	122783	20.00	ng		0.00
21) Naphthalene-d8	8.18	136	447535	20.00	ng		0.00
39) Acenaphthene-d10	9.95	164	192038	20.00	ng		0.00
64) Phenanthrene-d10	11.44	188	300831	20.00	ng		0.00
76) Chrysene-d12	14.10	240	231514	20.00	ng		0.01
87) Perylene-d12	15.60	264	199826	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	147927	21.33	ng		0.00
7) Phenol-d6	6.51	99	186200	22.26	ng		-0.01
23) Nitrobenzene-d5	7.45	82	103749	13.78	ng		-0.01
42) 2,4,6-Tribromophenol	10.73	330	34349	16.90	ng		0.00
45) 2-Fluorobiphenyl	9.26	172	195021	18.22	ng		0.00
79) Terphenyl-d14	13.04	244	172477	13.62	ng		0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.45	77	696	Below Cal		#	1
18) Hexachloroethane	7.43	117	7896	2.400	ng	#	1
31) Naphthalene	8.20	128	266924	12.794	ng		98
33) 4-Chloroaniline	8.20	127	35982	3.852	ng	#	36
37) 2-Methylnaphthalene	8.90	142	222410	15.777	ng		99
38) 1-Methylnaphthalene	9.00	142	207380	15.561	ng		98
46) 1,1'-Biphenyl	9.36	154	42444	2.979	ng		94
49) Acenaphthylene	9.80	152	209190	12.242	ng		97
50) Dimethylphthalate	9.65	163	27178	2.018	ng	#	92
52) Acenaphthene	9.98	154	169063	15.444	ng		98
54) 2,4-Dinitrophenol	10.16	184	134	7.305	ng	#	1
55) Dibenzofuran	10.15	168	147517	9.732	ng	#	98
56) 4-Nitrophenol	10.05	139	5360	2.039	ng	#	57
58) Fluorene	10.50	166	355104	30.230	ng		99
66) n-Nitrosodiphenylamine	10.60	169	25406	2.902	ng		93
71) Phenanthrene	11.47	178	1715944	113.452	ng		100
72) Anthracene	11.52	178	655095	43.685	ng		97
73) Carbazole	11.67	167	93826	7.160	ng		98
75) Fluoranthene	12.67	202	1540695	125.288	ng		100
78) Pyrene	12.91	202	1757430	93.930	ng		100
81) Benzo(a)anthracene	14.09	228	814858	53.263	ng		94
83) Chrysene	14.13	228	733680	49.491	ng		97
86) Indeno(1,2,3-cd)pyrene	17.13	276	227464	18.028	ng		95
88) Benzo(b)fluoranthene	15.16	252	817582	62.974	ng		97
89) Benzo(k)fluoranthene	15.16	252	817582	66.836	ng		96
90) Benzo(a)pyrene	15.54	252	492881	43.174	ng		98
91) Dibenzo(a,h)anthracene	17.14	278	70551	7.180	ng	#	89
92) Benzo(g,h,i)perylene	17.60	276	214290	21.895	ng		98

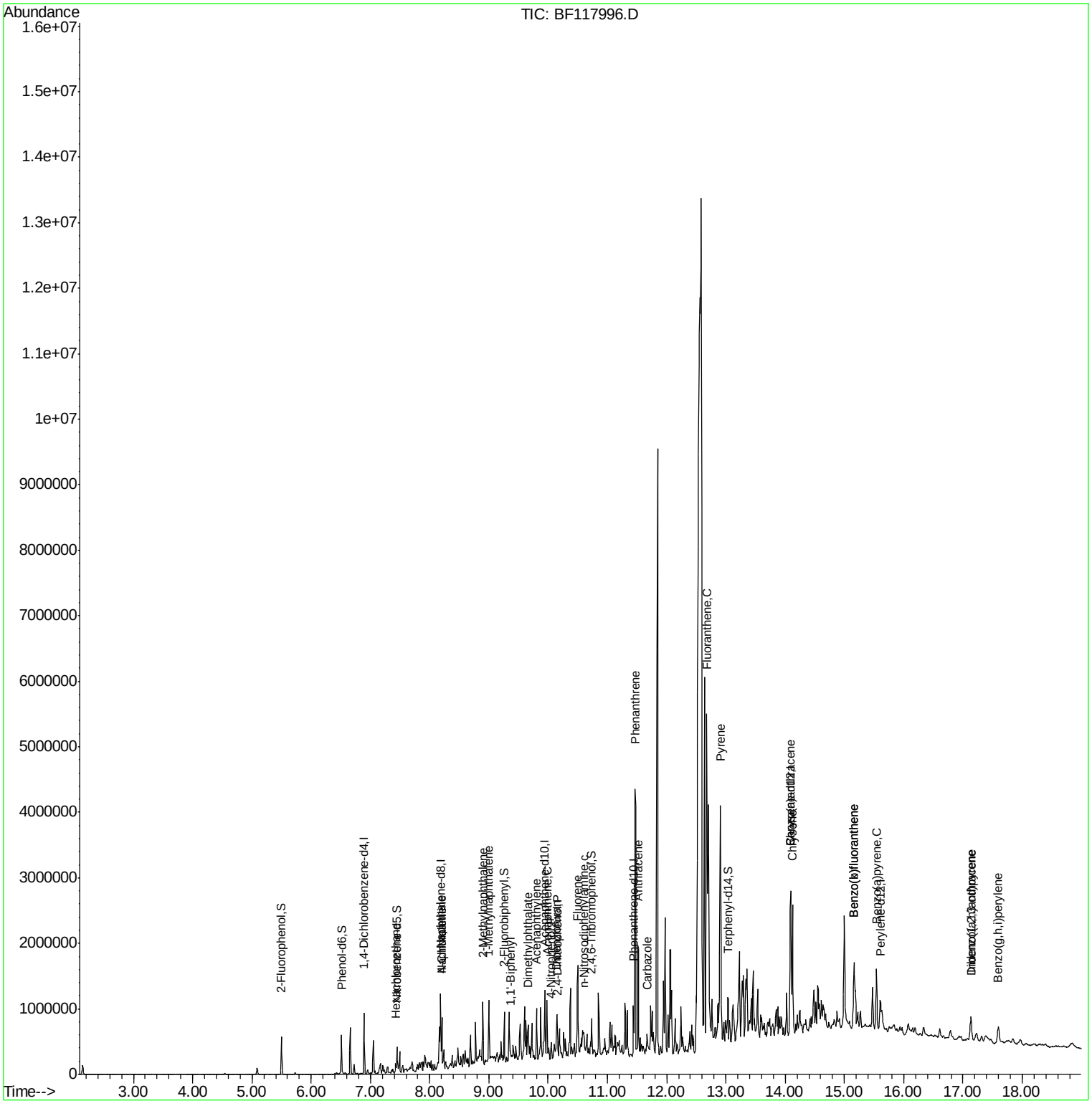
(#) = qualifier out of range (m) = manual integration (+) = signals summed

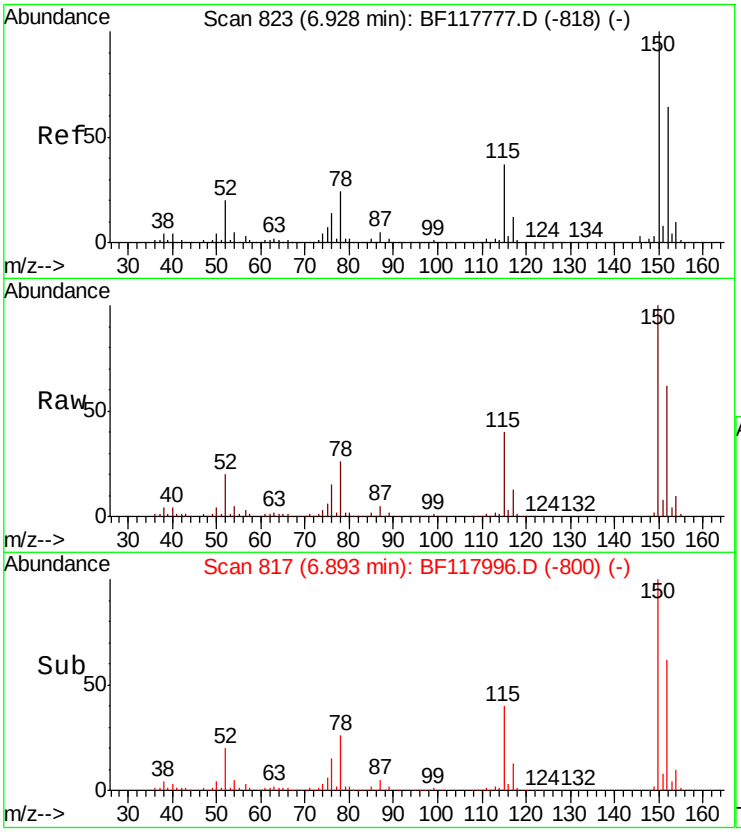
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117996.D
Acq On : 26 Nov 2019 5:29
Operator : JU
Sample : K5672-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Nov 26 06:06:49 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

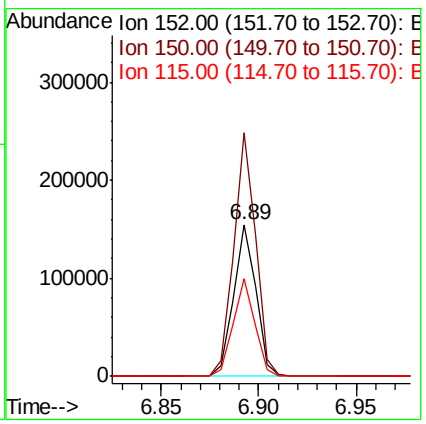




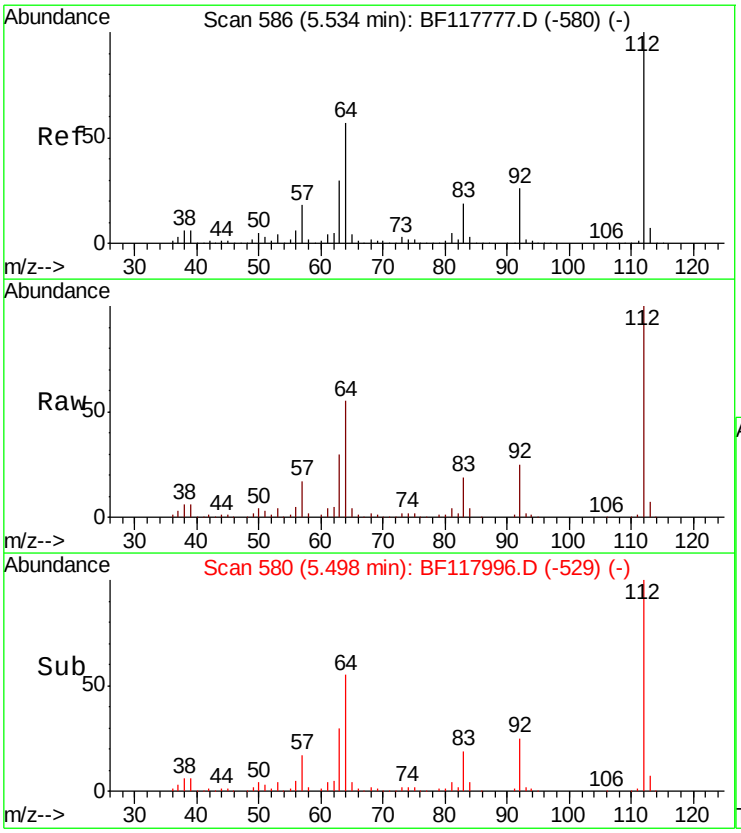
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:152 Resp: 122783

Ion	Ratio	Lower	Upper
152	100		
150	160.4	125.3	187.9
115	64.3	47.0	70.4



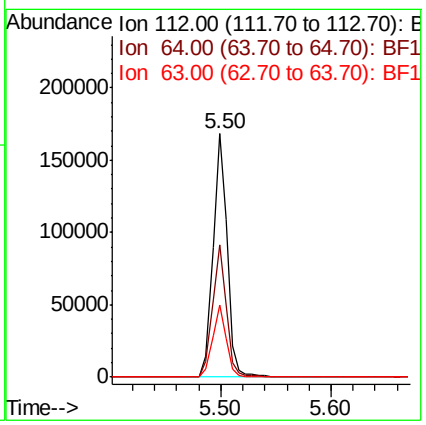
Instrument :
BNA_F
ClientSampleId :

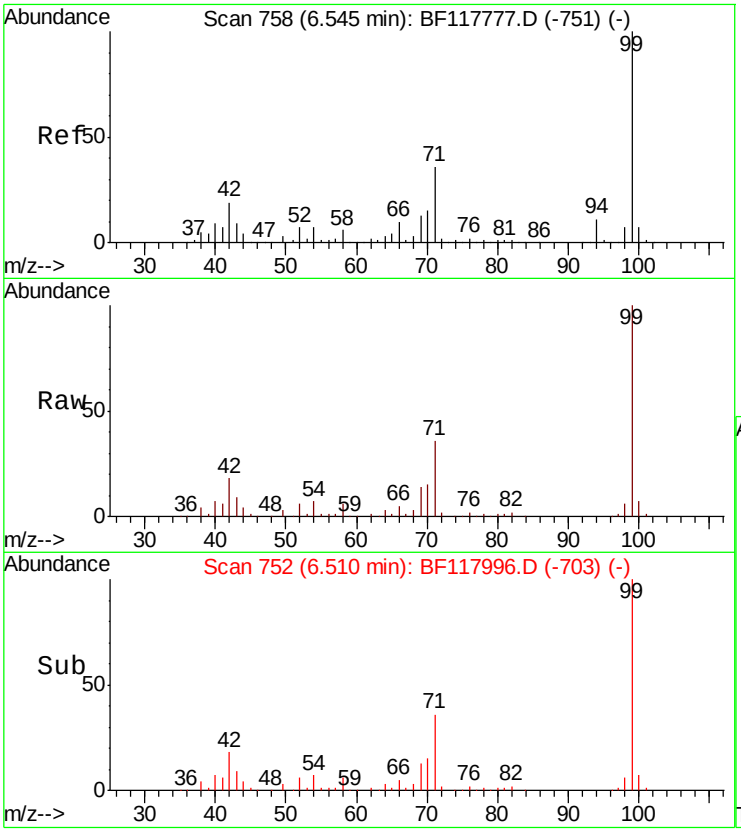


#5
2-Fluorophenol
Concen: 21.326 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:112 Resp: 147927

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.6	68.4
63	29.9	24.1	36.1



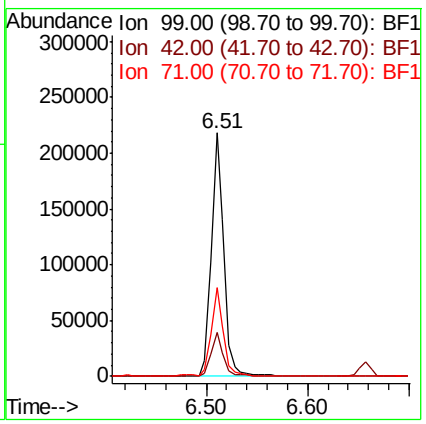


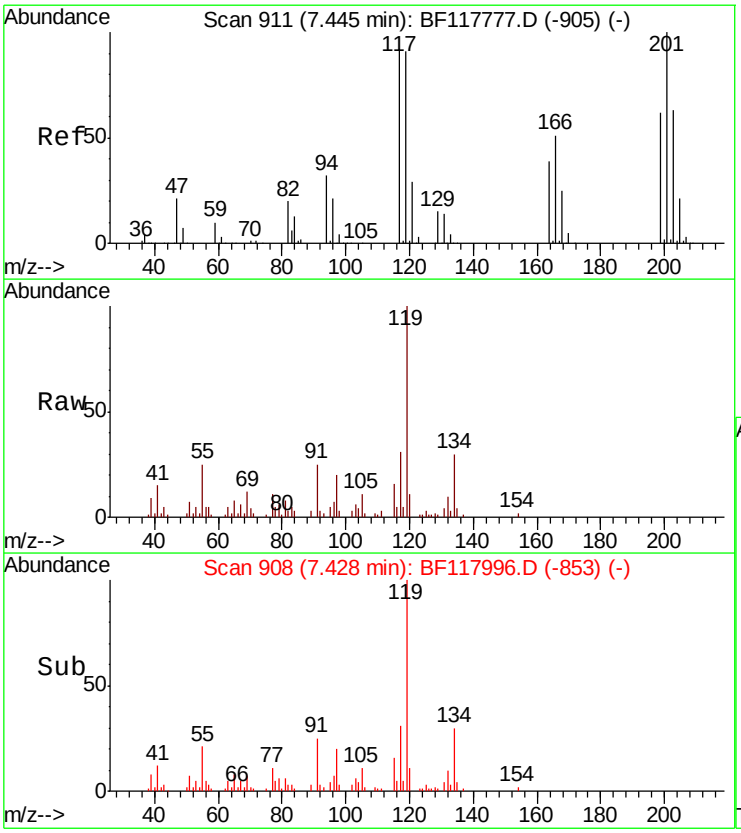
#7
Phenol-d6
Concen: 22.255 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 186200

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.9	22.3
71	36.4	28.6	43.0

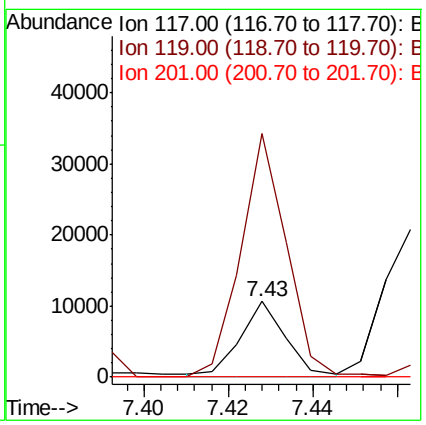


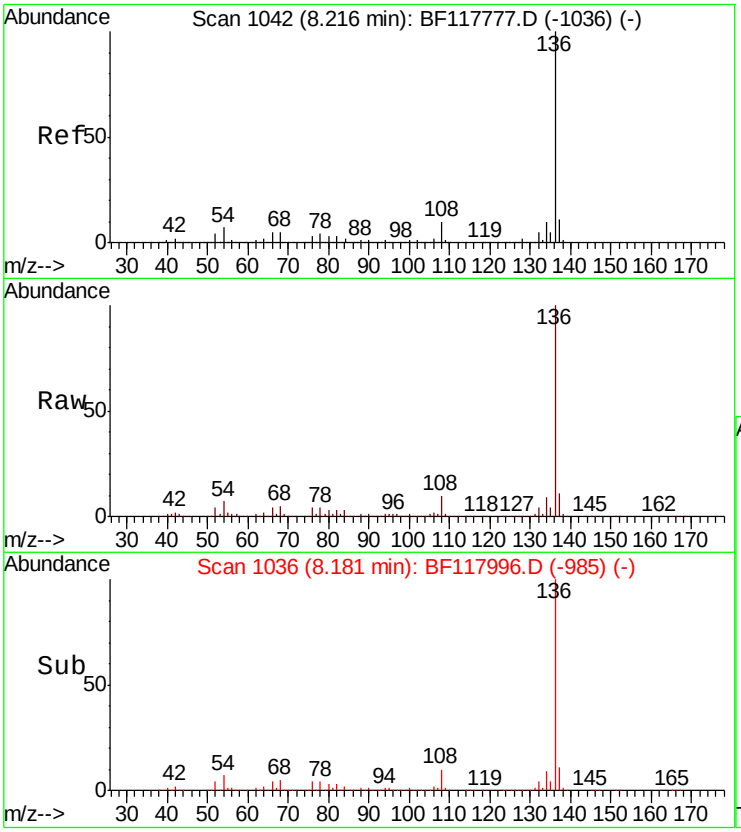


#18
Hexachloroethane
Concen: 2.400 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:117 Resp: 7896

Ion	Ratio	Lower	Upper
117	100		
119	322.1	78.7	118.1#
201	0.0	86.5	129.7#



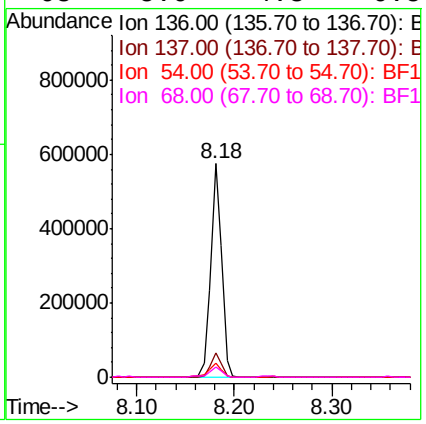


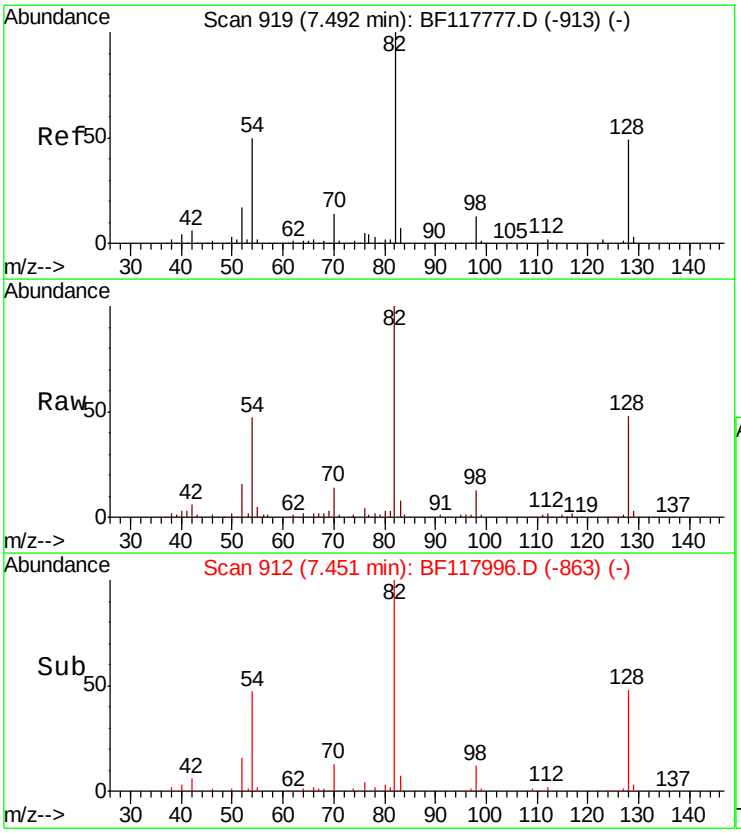
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 447535

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	6.6	5.4	8.2
68	5.0	4.3	6.5

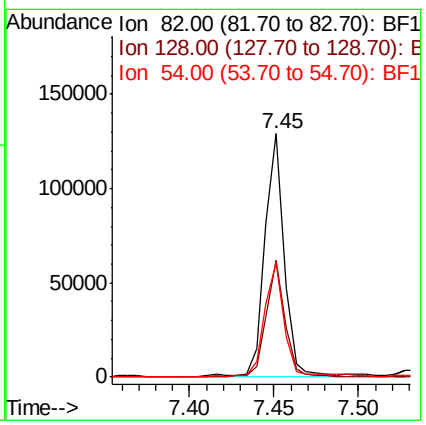


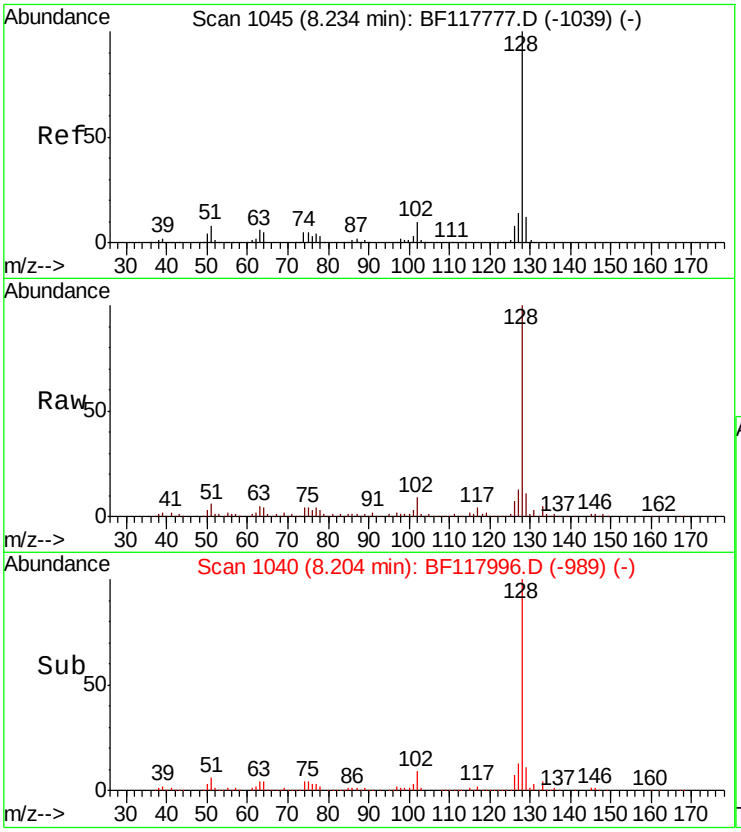


#23
Nitrobenzene-d5
Concen: 13.781 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion: 82 Resp: 103749

Ion	Ratio	Lower	Upper
82	100		
128	47.8	38.9	58.3
54	47.0	39.8	59.6



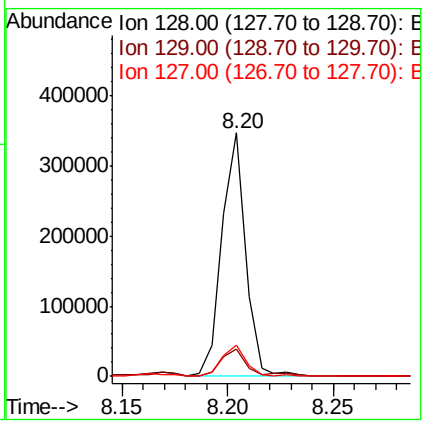


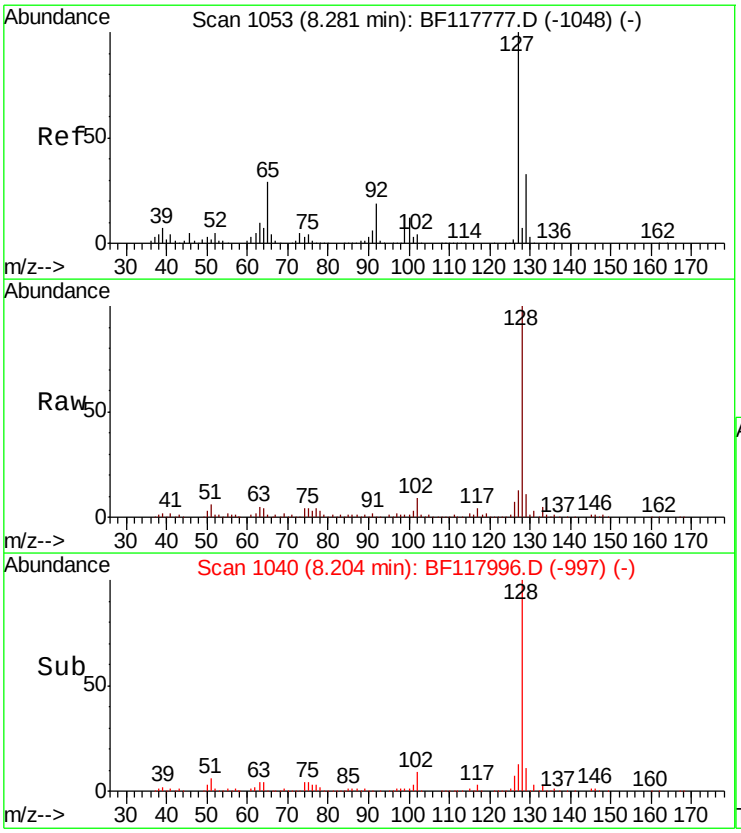
#31
Naphthalene
Concen: 12.794 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 266924

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.5	14.3
127	13.0	11.3	16.9

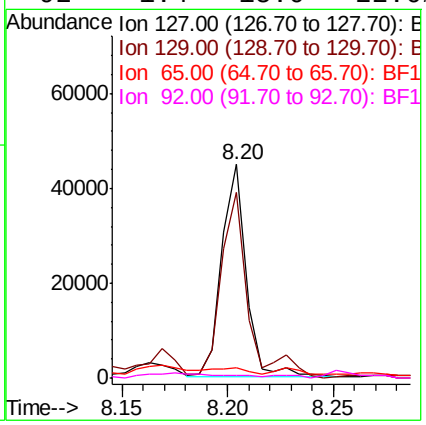


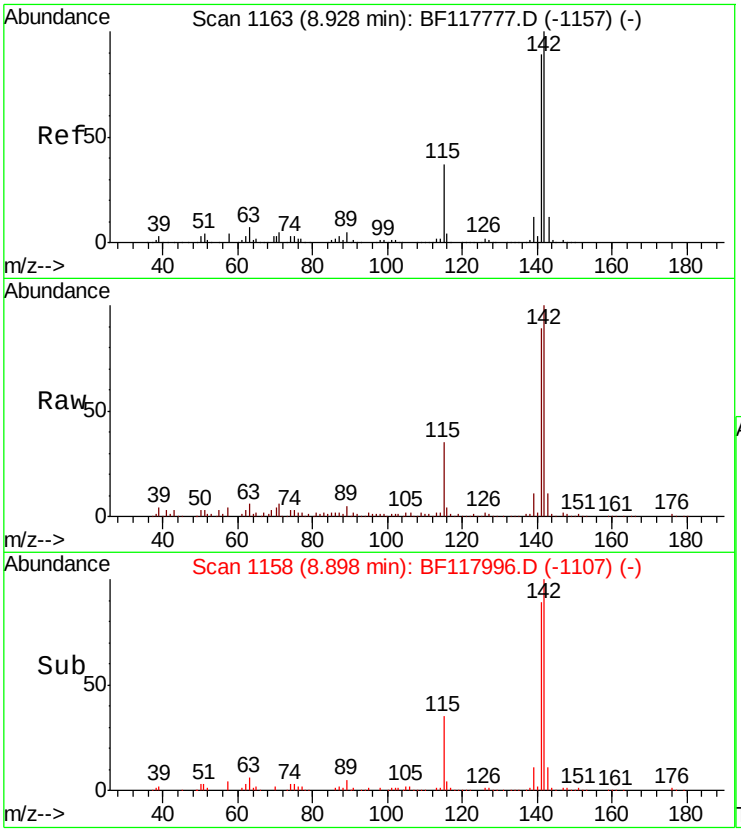


#33
4-Chloroaniline
Concen: 3.852 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.05 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:127 Resp: 35982

Ion	Ratio	Lower	Upper
127	100		
129	86.9	26.5	39.7#
65	5.0	22.9	34.3#
92	1.4	15.0	22.6#



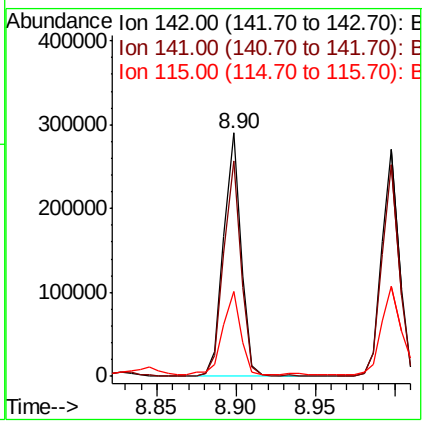


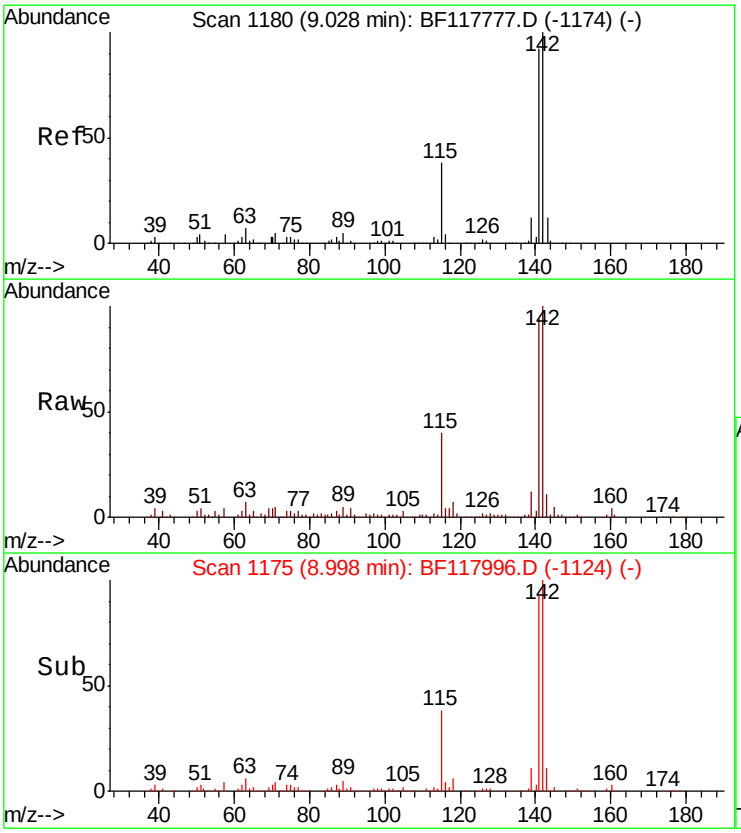
#37
2-Methylnaphthalene
Concen: 15.777 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 222410

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.1	106.7
115	34.9	29.2	43.8

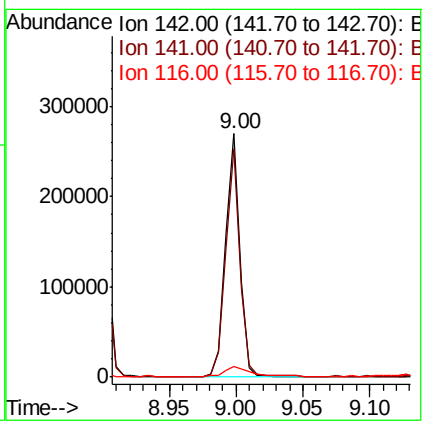


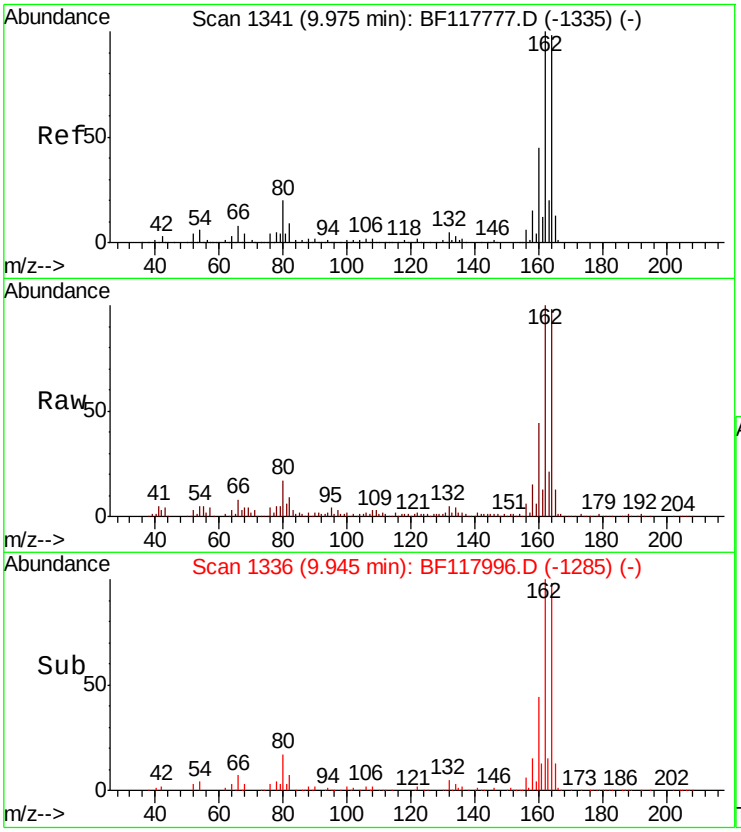


#38
1-Methylnaphthalene
Concen: 15.561 ng
RT: 9.00 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:142 Resp: 207380

Ion	Ratio	Lower	Upper
142	100		
141	93.7	73.5	110.3
116	4.2	3.2	4.8



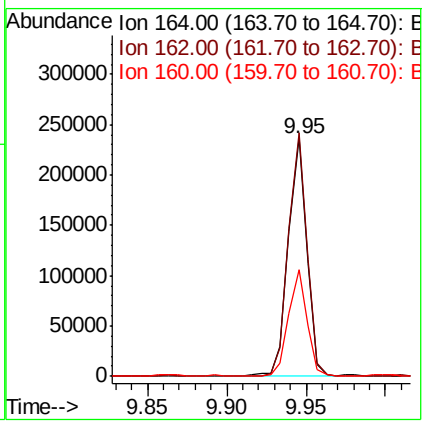


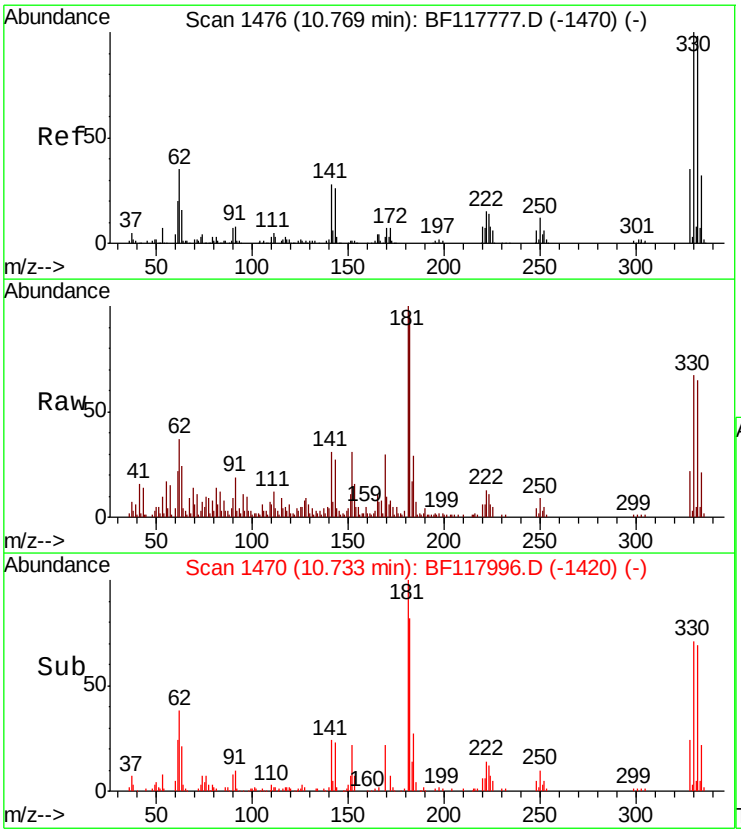
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1336
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 192038

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.3	121.9
160	44.6	36.6	55.0

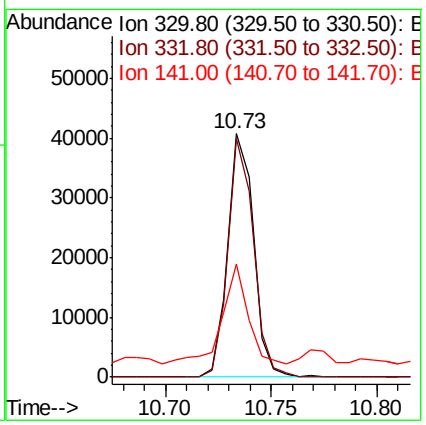


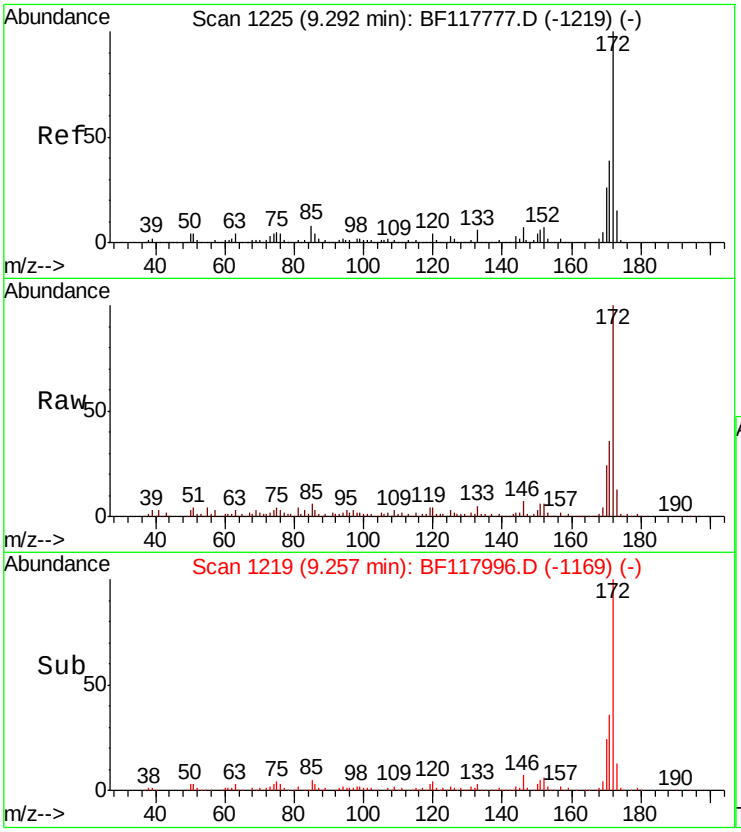


#42
2,4,6-Tribromophenol
Concen: 16.895 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:330 Resp: 34349

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	40.3	27.7	41.5



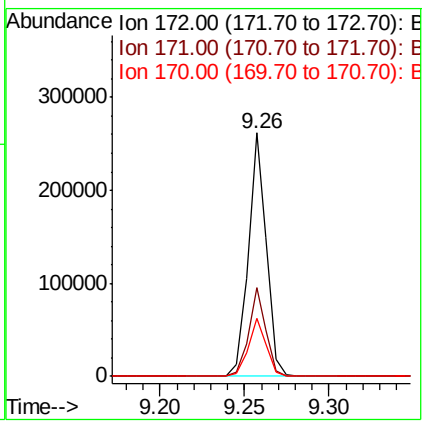


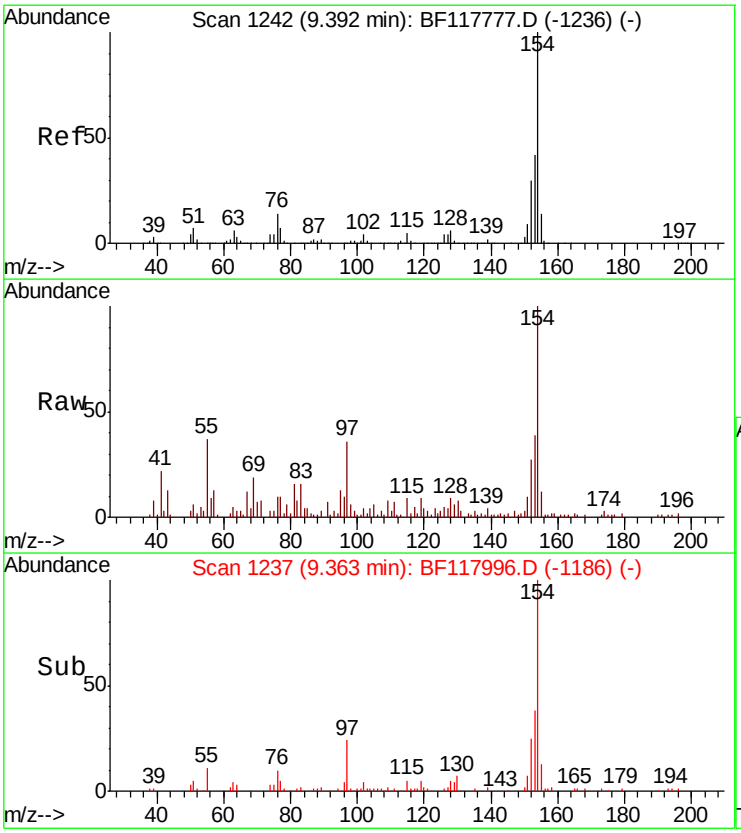
#45
2-Fluorobiphenyl
Concen: 18.219 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 195021

Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.9	46.3
170	23.6	21.0	31.4

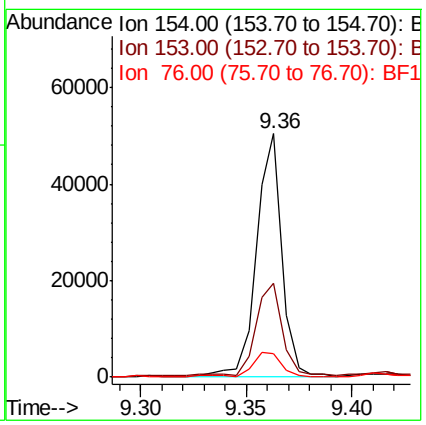


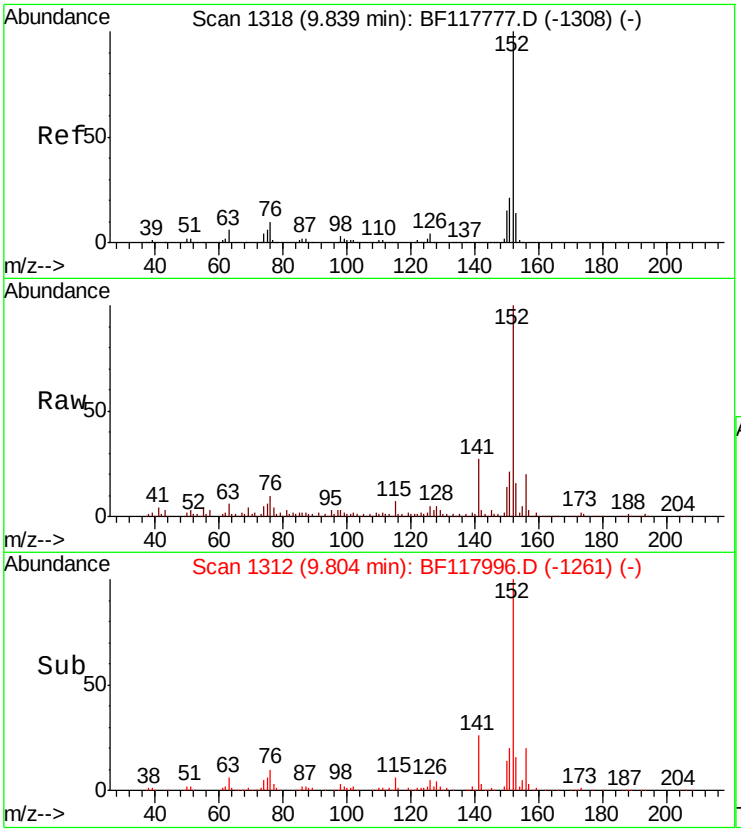


#46
1,1'-Biphenyl
Concen: 2.979 ng
RT: 9.36 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:154 Resp: 42444

Ion	Ratio	Lower	Upper
154	100		
153	38.7	21.9	61.9
76	9.7	0.0	33.6



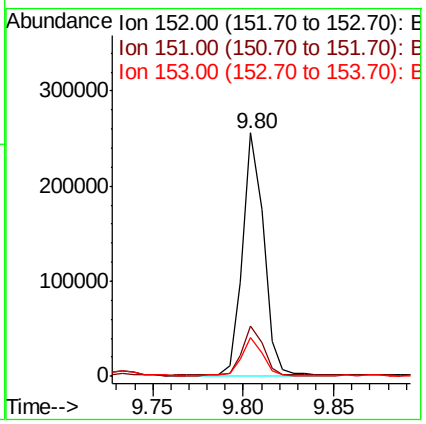


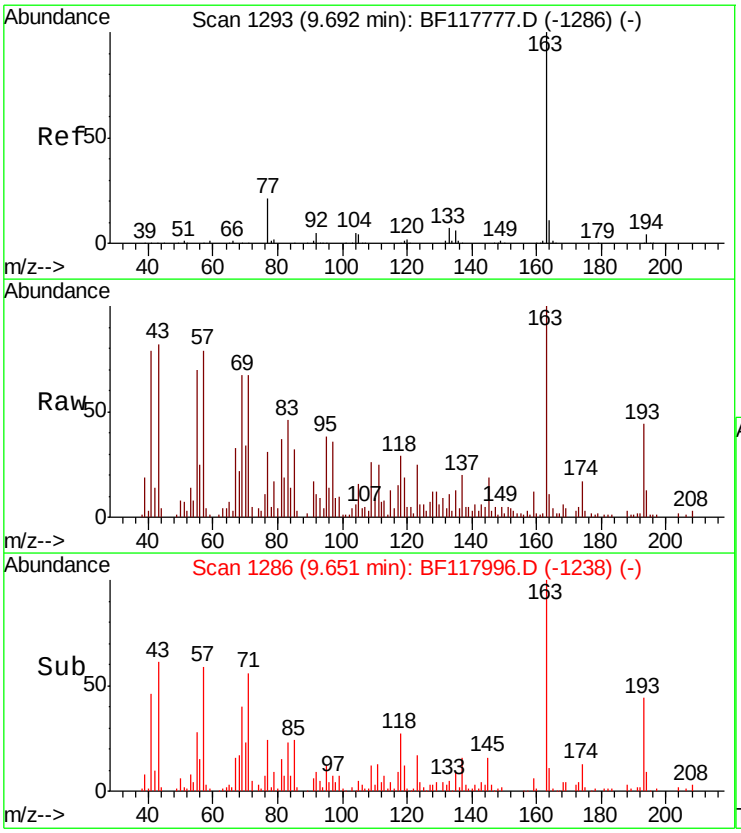
#49
Acenaphthylene
Concen: 12.242 ng
RT: 9.80 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 209190

Ion	Ratio	Lower	Upper
152	100		
151	20.7	17.0	25.6
153	16.1	11.0	16.6

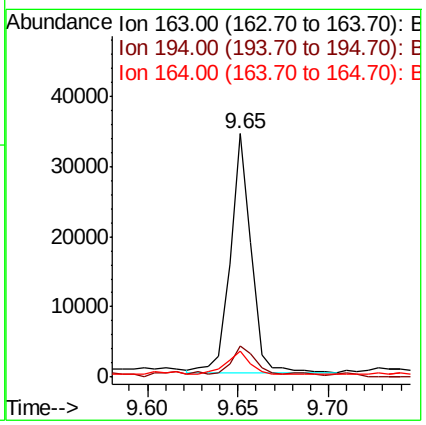


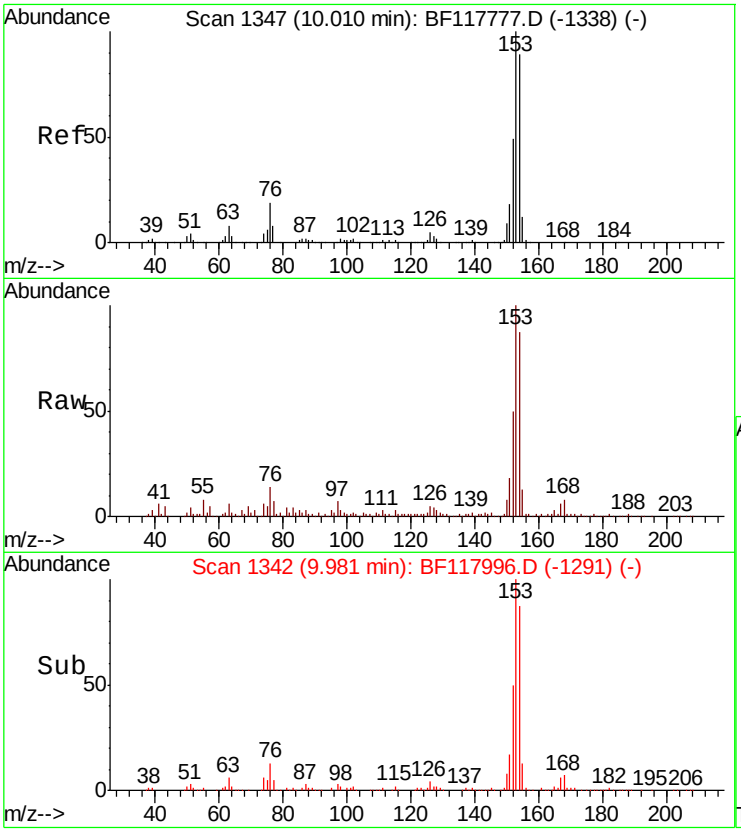


#50
Dimethylphthalate
Concen: 2.018 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:163 Resp: 27178

Ion	Ratio	Lower	Upper
163	100		
194	12.9	3.3	4.9#
164	10.8	8.7	13.1



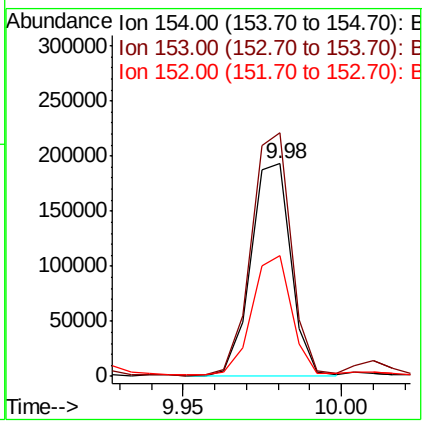


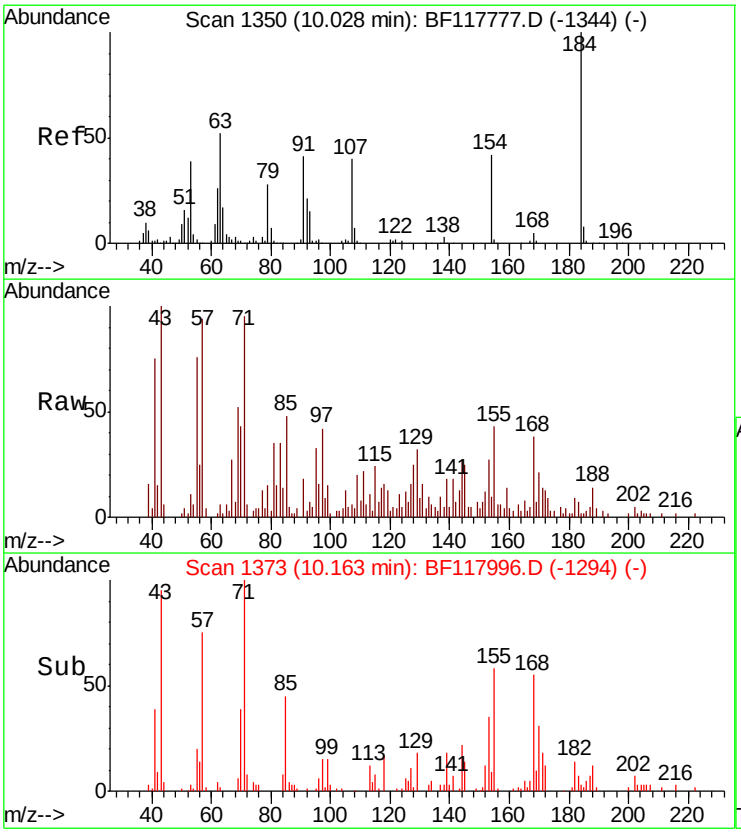
#52
Acenaphthene
Concen: 15.444 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 169063

Ion	Ratio	Lower	Upper
154	100		
153	114.7	90.1	135.1
152	57.2	44.0	66.0

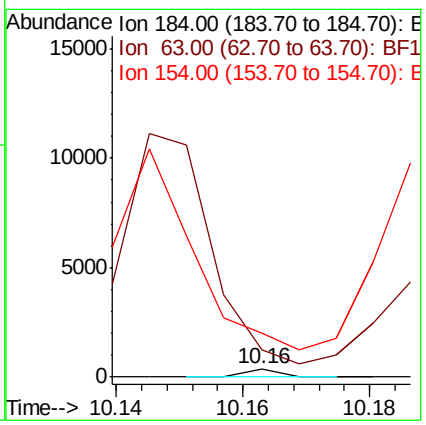


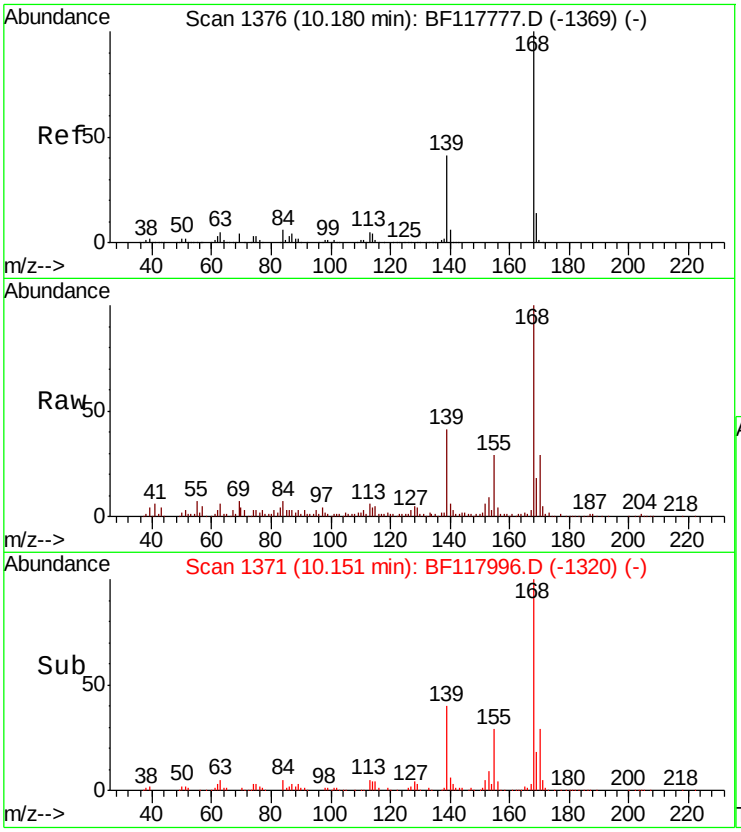


#54
2,4-Dinitrophenol
Concen: 7.305 ng
RT: 10.16 min Scan# 1373
Delta R.T. 0.16 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:184 Resp: 134

Ion	Ratio	Lower	Upper
184	100		
63	333.3	43.0	64.6#
154	520.2	48.0	72.0#



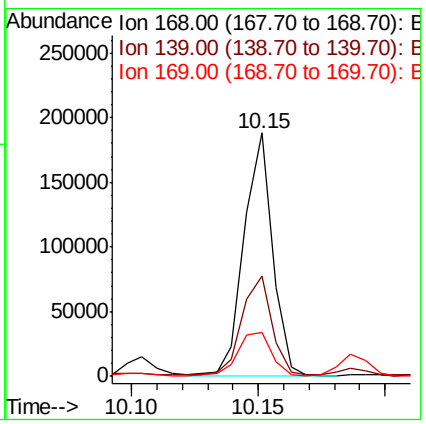


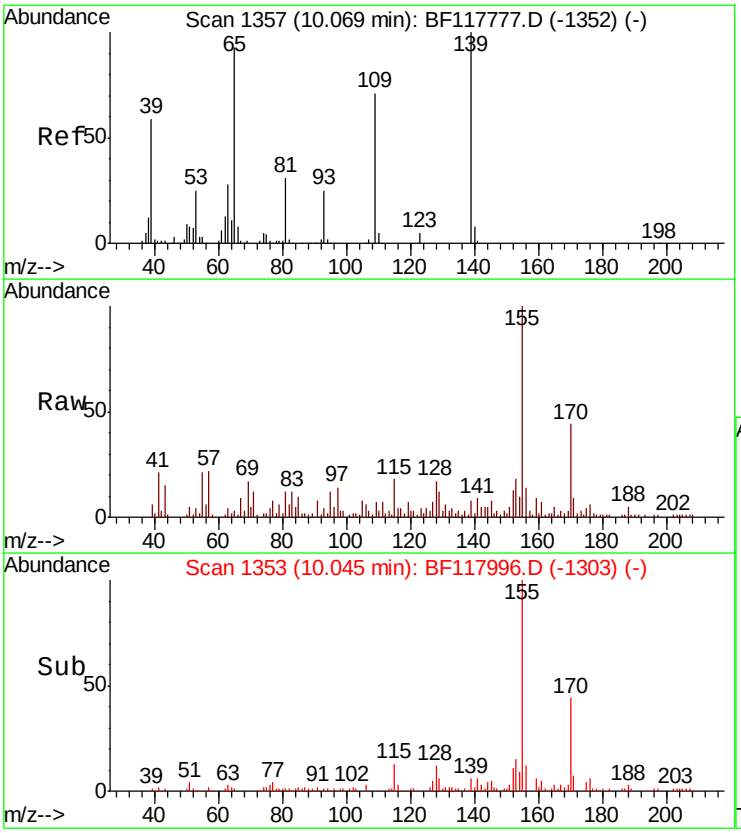
#55
Dibenzofuran
Concen: 9.732 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 147517

Ion	Ratio	Lower	Upper
168	100		
139	41.1	33.0	49.6
169	17.8	11.5	17.3#

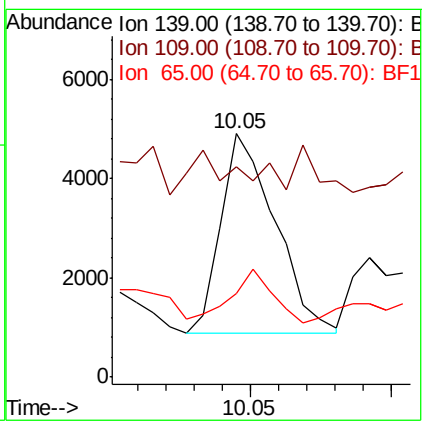


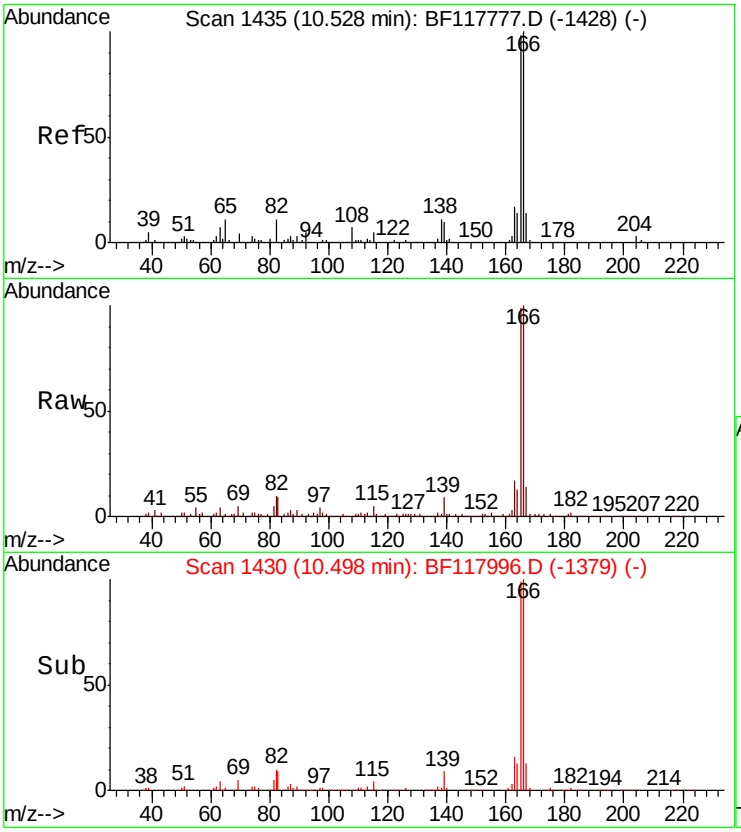


#56
4-Nitrophenol
Concen: 2.039 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:139 Resp: 5360

Ion	Ratio	Lower	Upper
139	100		
109	86.2	50.8	90.8
65	34.1	73.6	113.6#



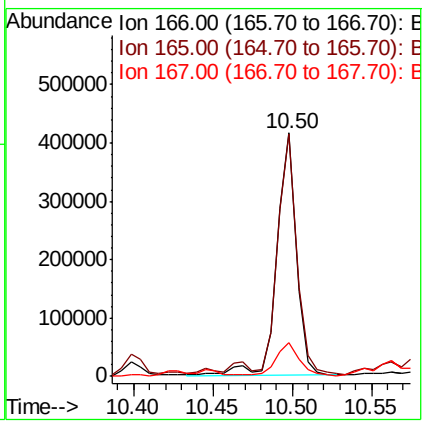


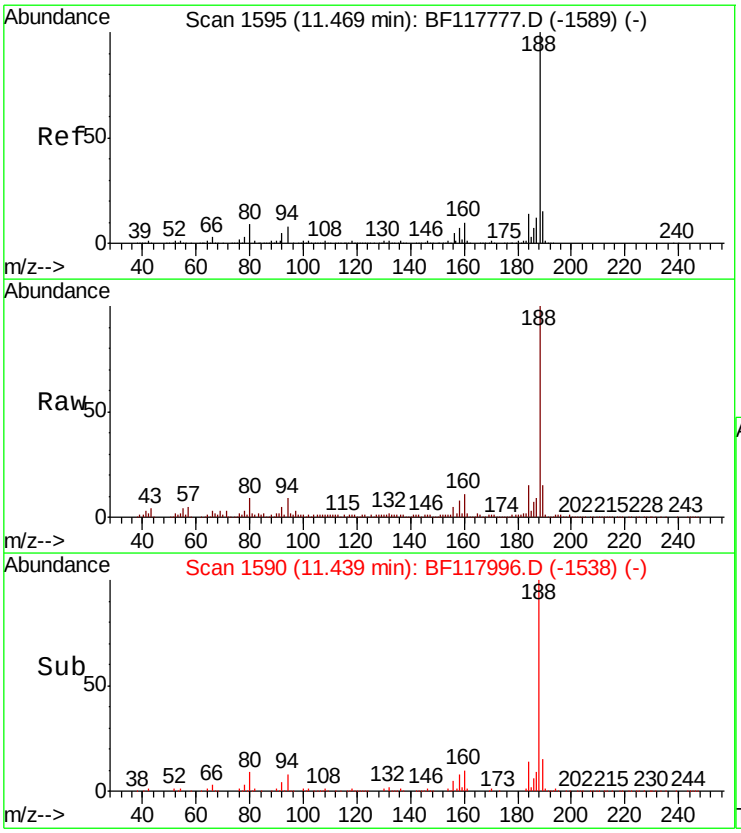
#58
Fluorene
Concen: 30.230 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 355104

Ion	Ratio	Lower	Upper
166	100		
165	99.4	78.4	117.6
167	14.0	11.0	16.4

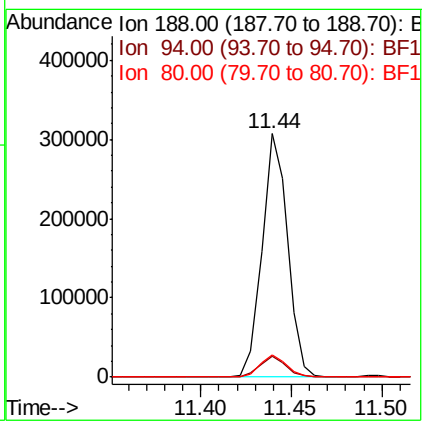


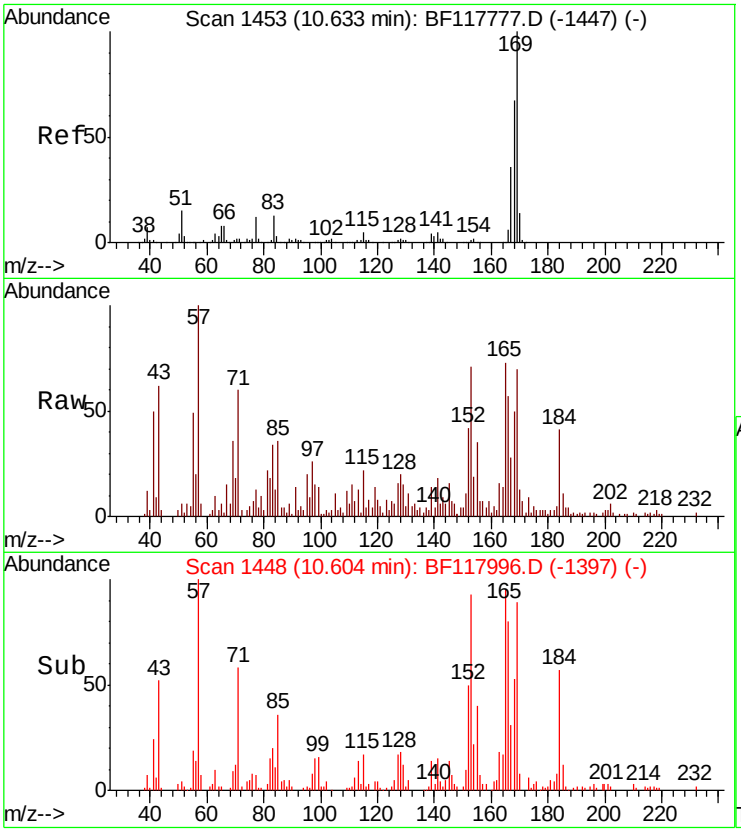


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:188 Resp: 300831

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.6	10.0
80	9.2	7.2	10.8



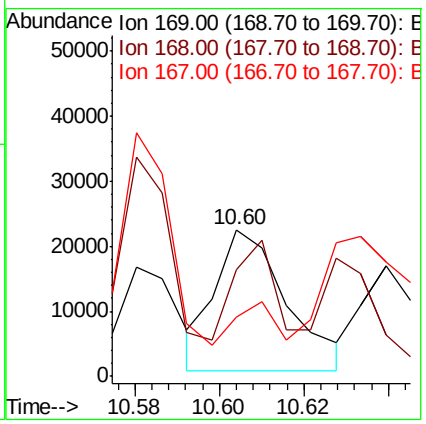


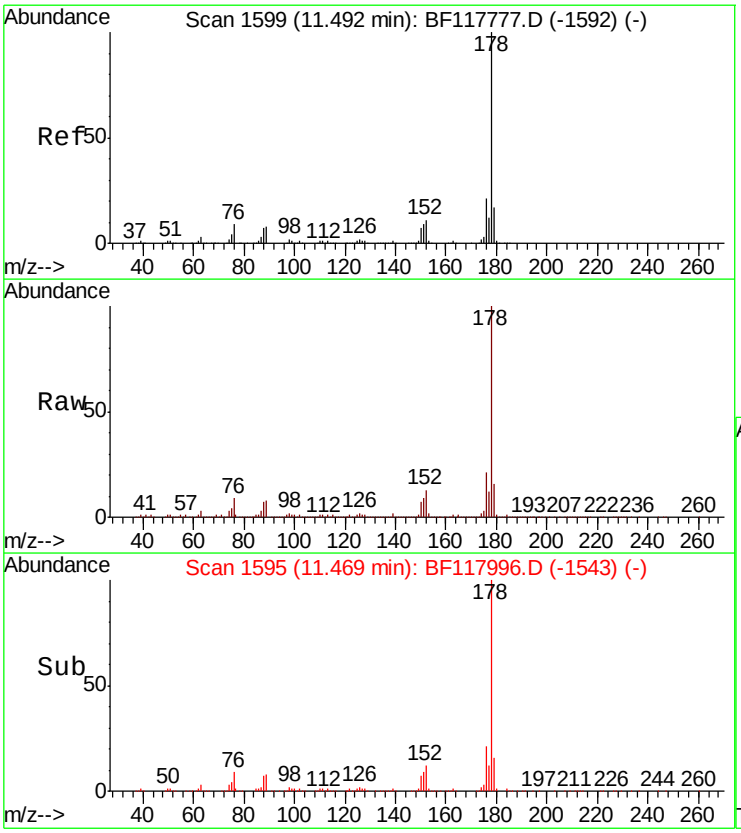
#66
n-Nitrosodiphenylamine
Concen: 2.902 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:169 Resp: 25406

Ion	Ratio	Lower	Upper
169	100		
168	72.6	53.5	80.3
167	40.5	29.0	43.4

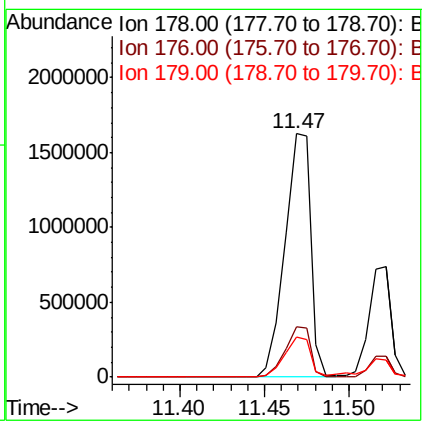


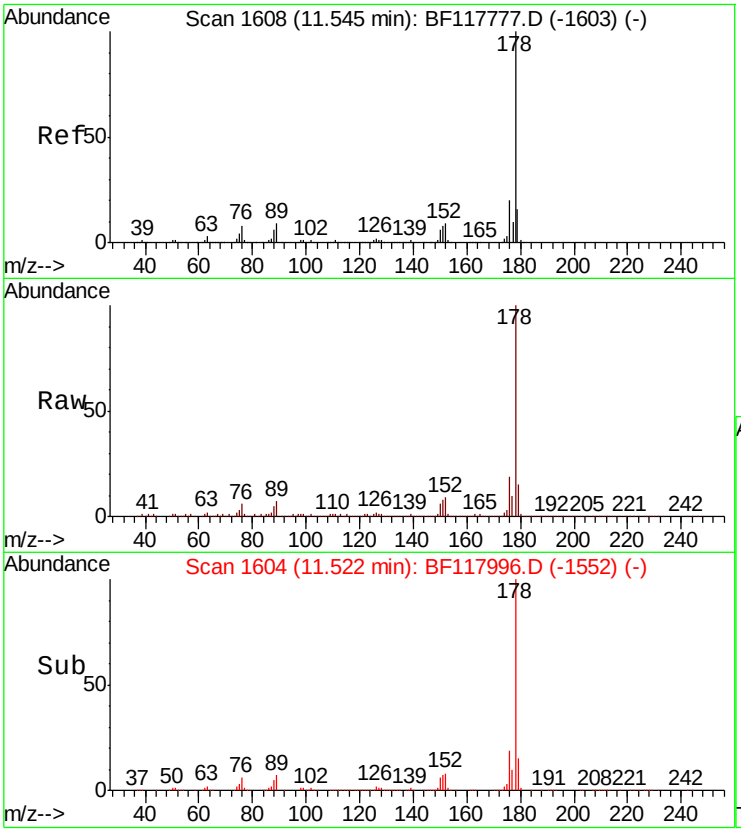


#71
Phenanthrene
Concen: 113.452 ng
RT: 11.47 min Scan# 1595
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:178 Resp: 1715944

Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.6	25.0
179	16.3	13.2	19.8



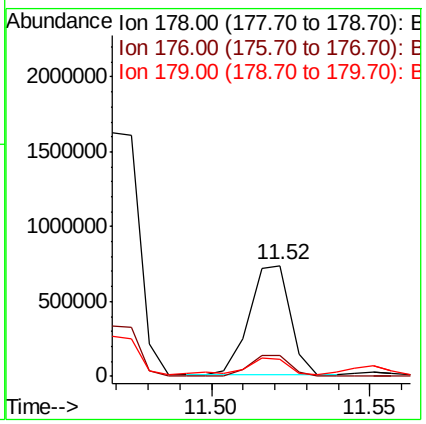


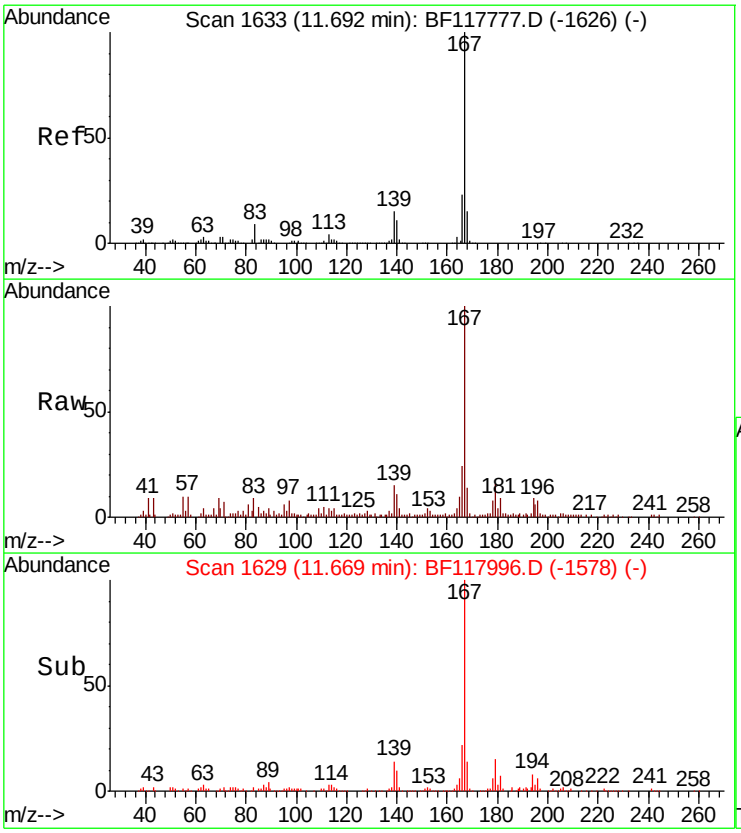
#72
Anthracene
Concen: 43.685 ng
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 655095

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.1	24.1
179	15.4	13.0	19.4

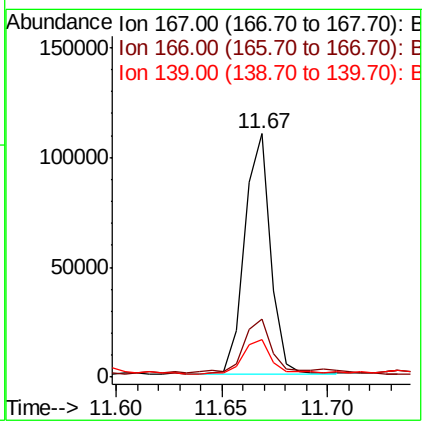


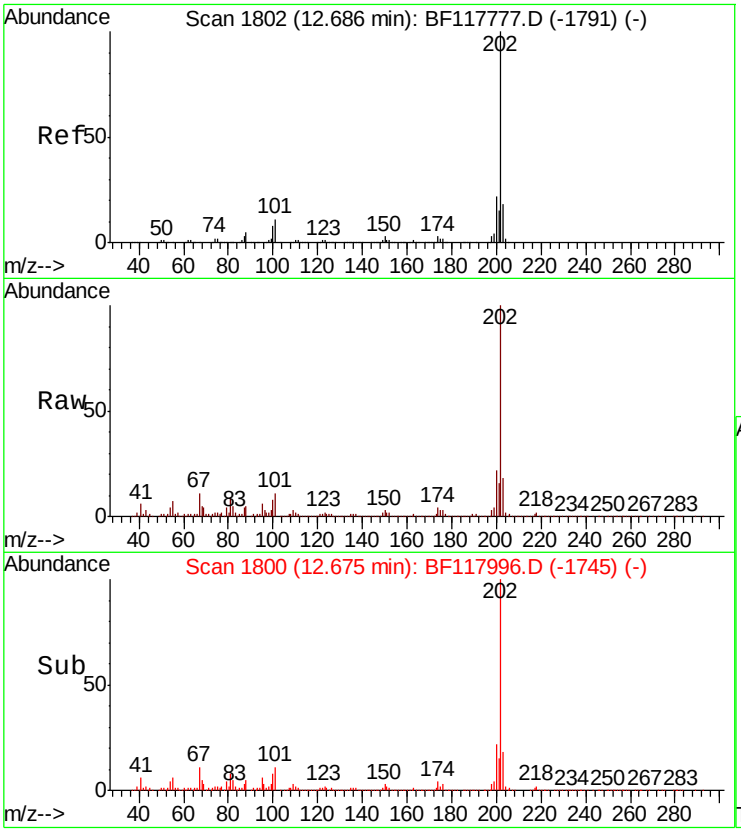


#73
Carbazole
Concen: 7.160 ng
RT: 11.67 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:167 Resp: 93826

Ion	Ratio	Lower	Upper
167	100		
166	23.8	18.0	27.0
139	15.4	11.7	17.5



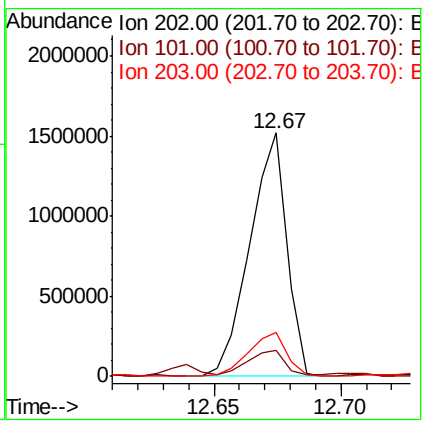


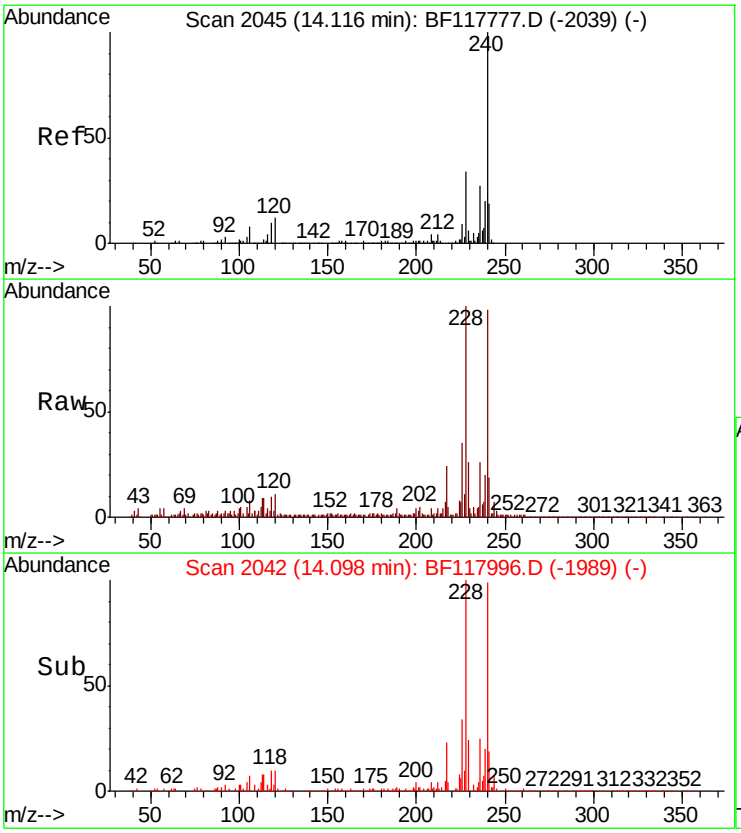
#75
Fluoranthene
Concen: 125.288 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1540695

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	31.1
203	18.2	0.0	38.2

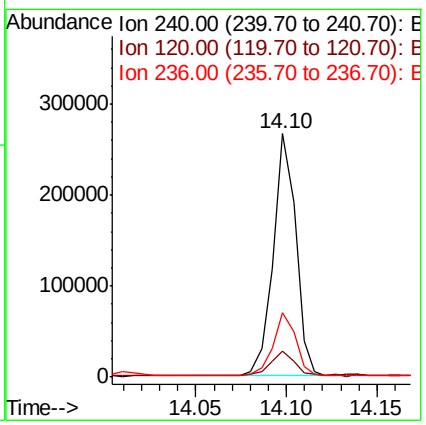


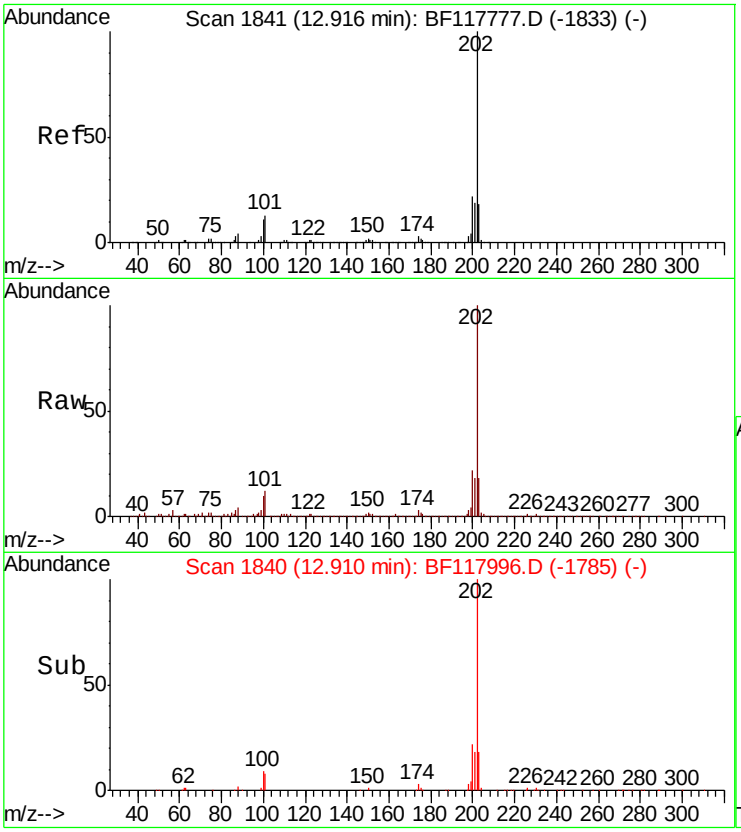


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:240 Resp: 231514

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.5	14.3
236	26.5	21.3	31.9



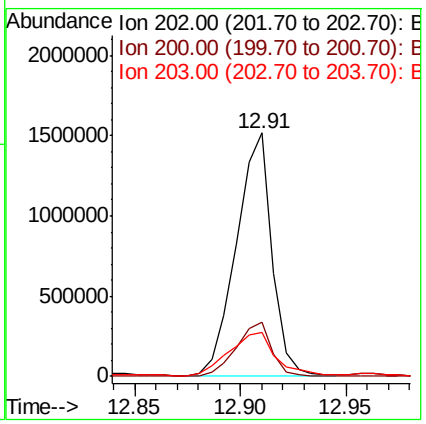


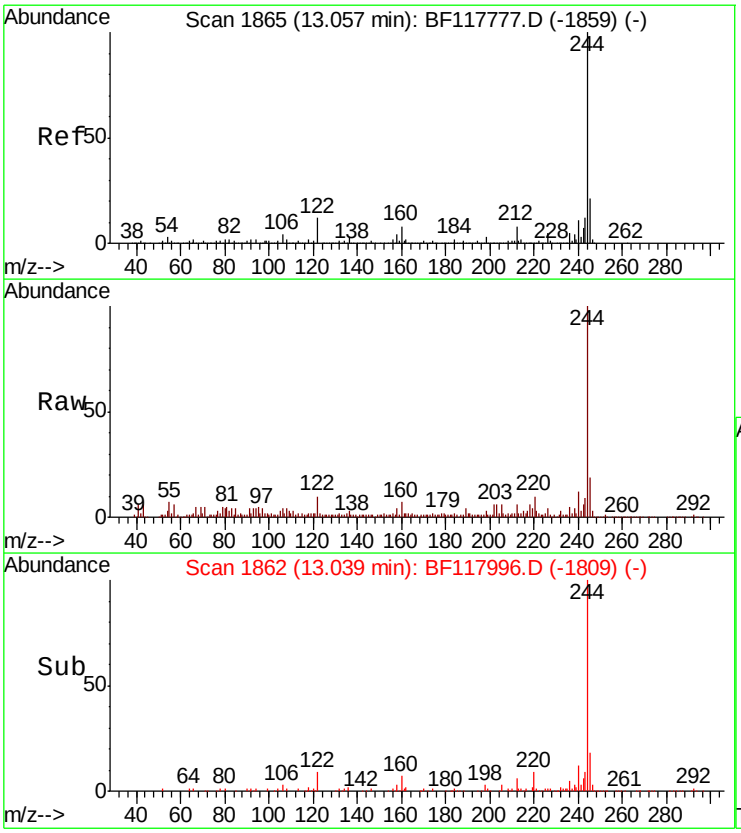
#78
Pyrene
Concen: 93.930 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1757430

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.8	26.8
203	18.2	14.6	22.0

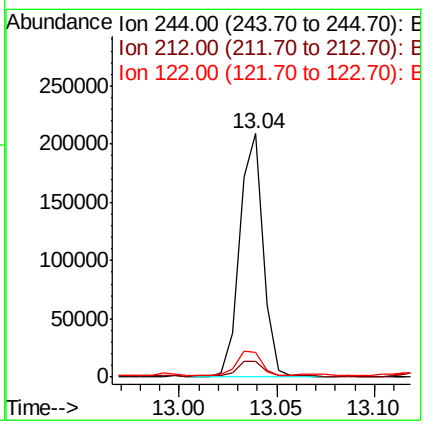


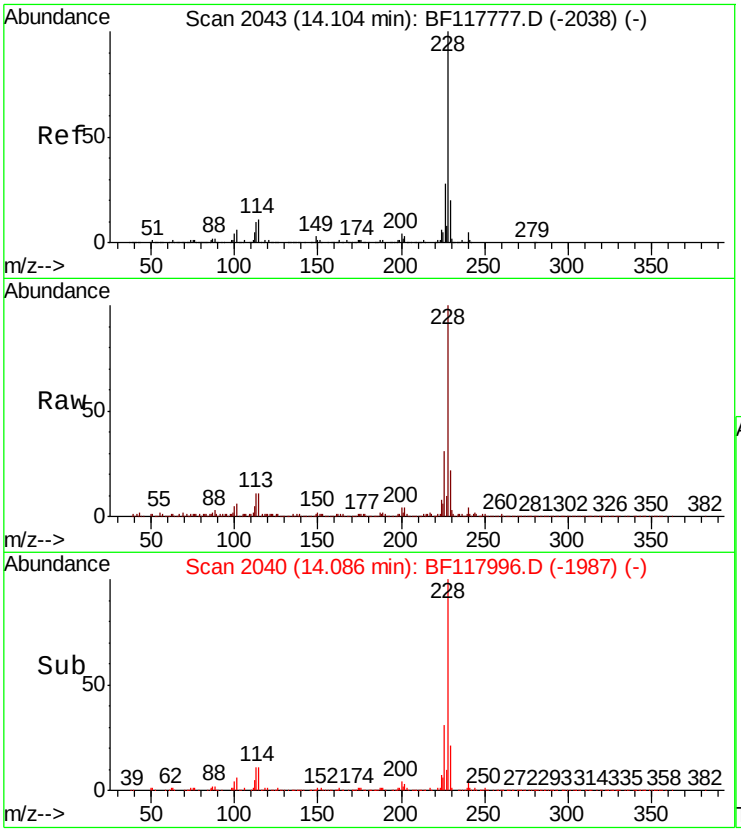


#79
Terphenyl-d14
Concen: 13.616 ng
RT: 13.04 min Scan# 1862
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:244 Resp: 172477

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.3	9.5
122	10.3	9.4	14.2



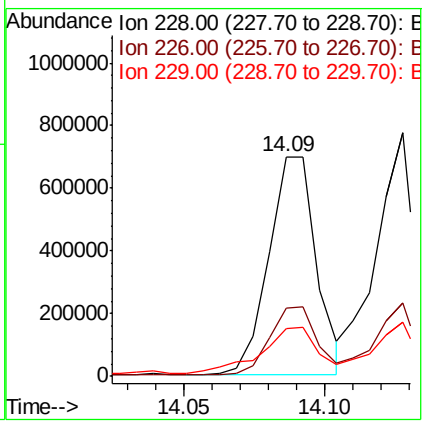


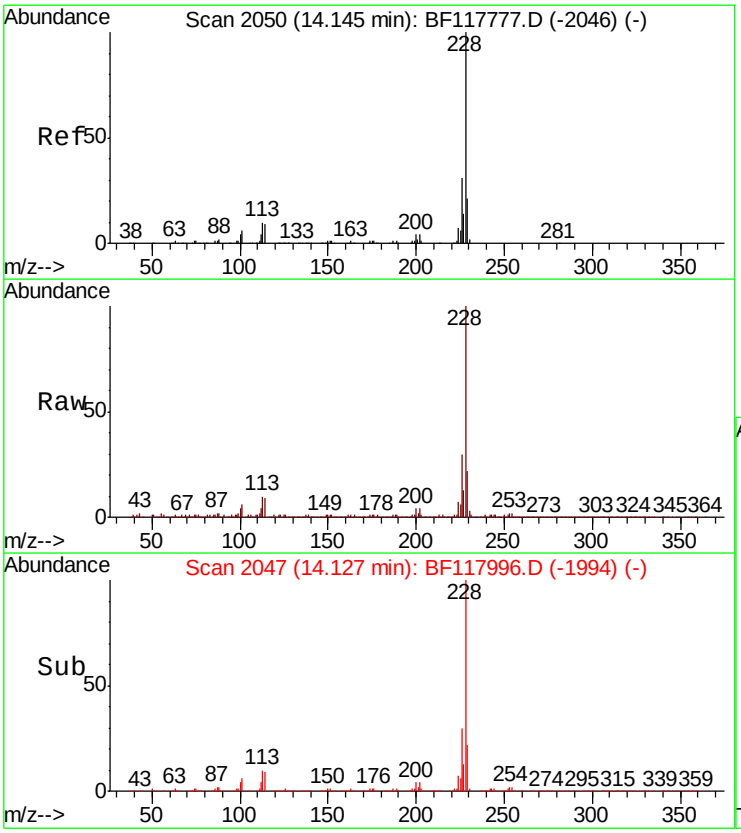
#81
Benzo(a)anthracene
Concen: 53.263 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 814858

Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.2	33.2
229	21.8	15.9	23.9

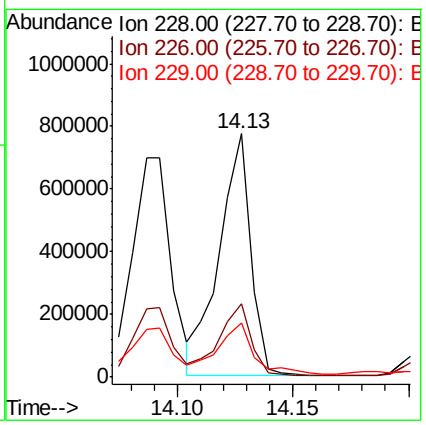


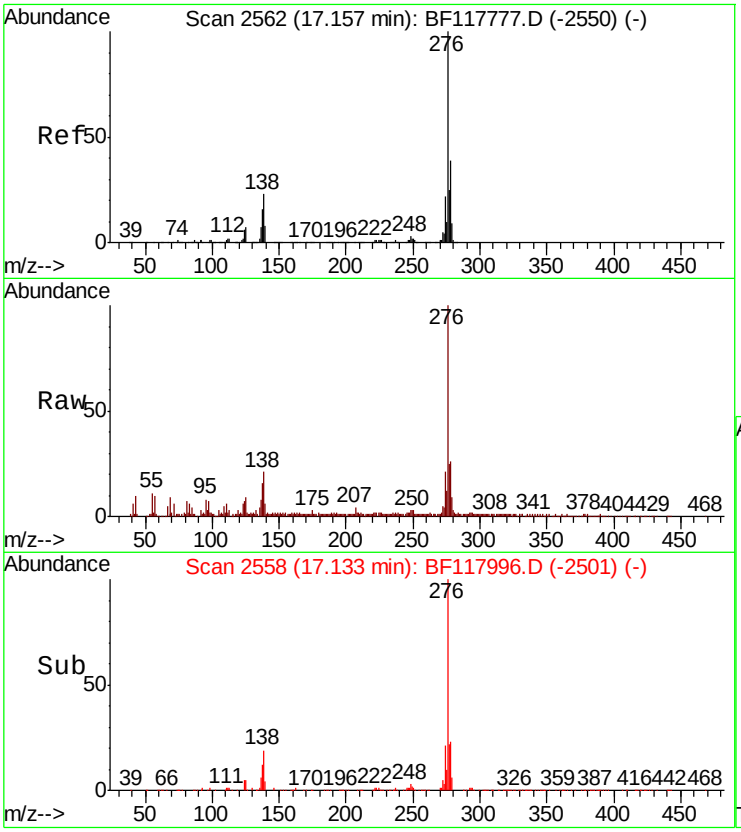


#83
Chrysene
Concen: 49.491 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:228 Resp: 733680

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.4
229	22.3	16.6	25.0



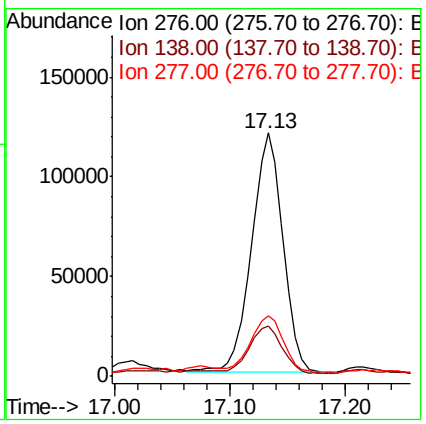


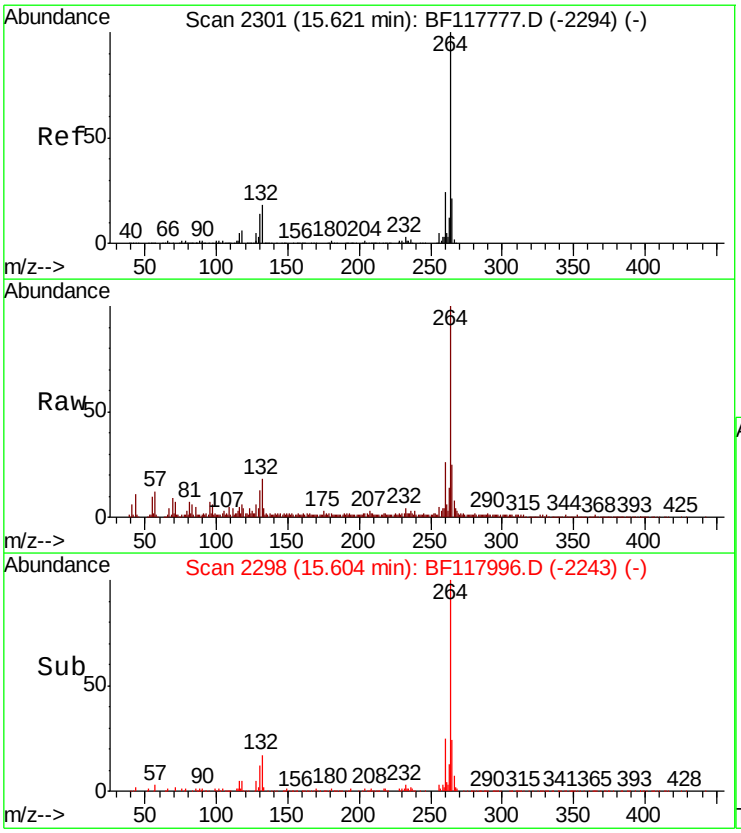
#86
Indeno(1,2,3-cd)pyrene
Concen: 18.028 ng
RT: 17.13 min Scan# 2558
Delta R.T. 0.04 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 227464

Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.9	31.3
277	25.0	20.3	30.5

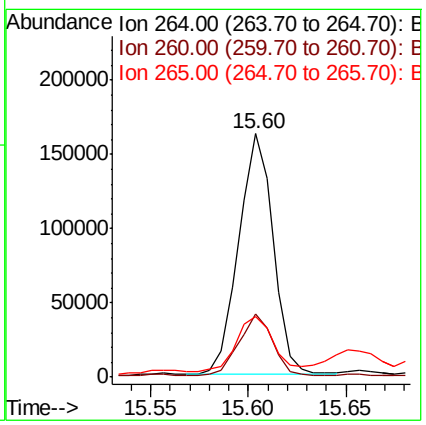


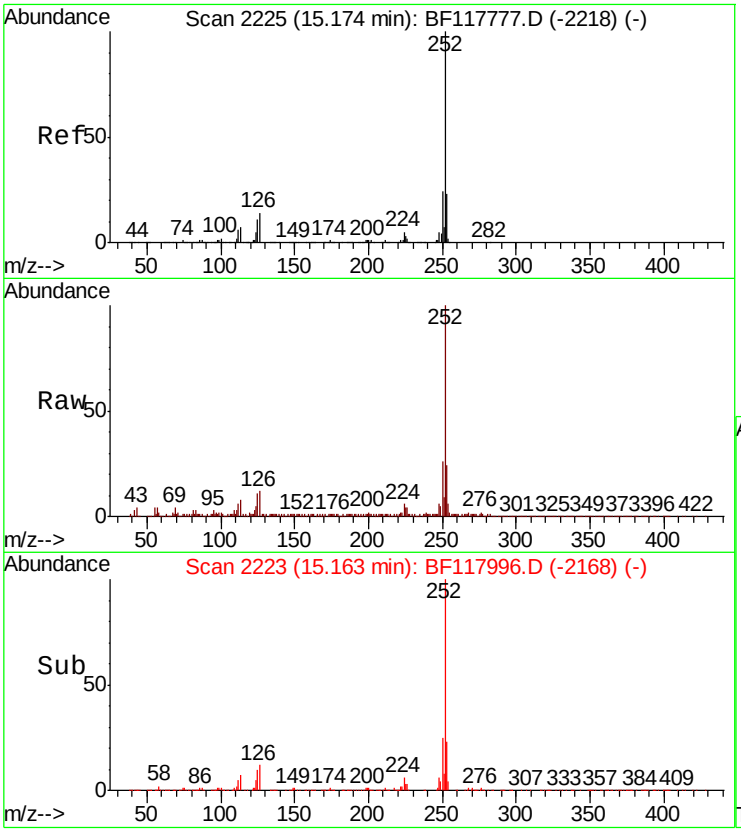


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:264 Resp: 199826

Ion	Ratio	Lower	Upper
264	100		
260	25.8	19.4	29.0
265	25.1	17.1	25.7



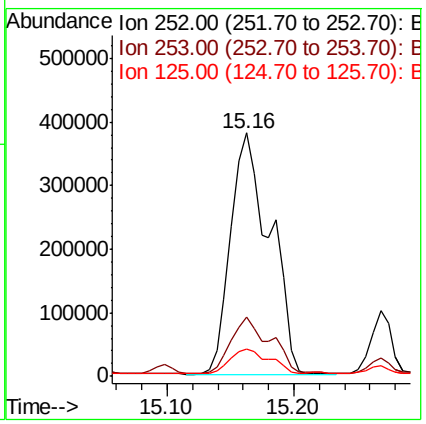


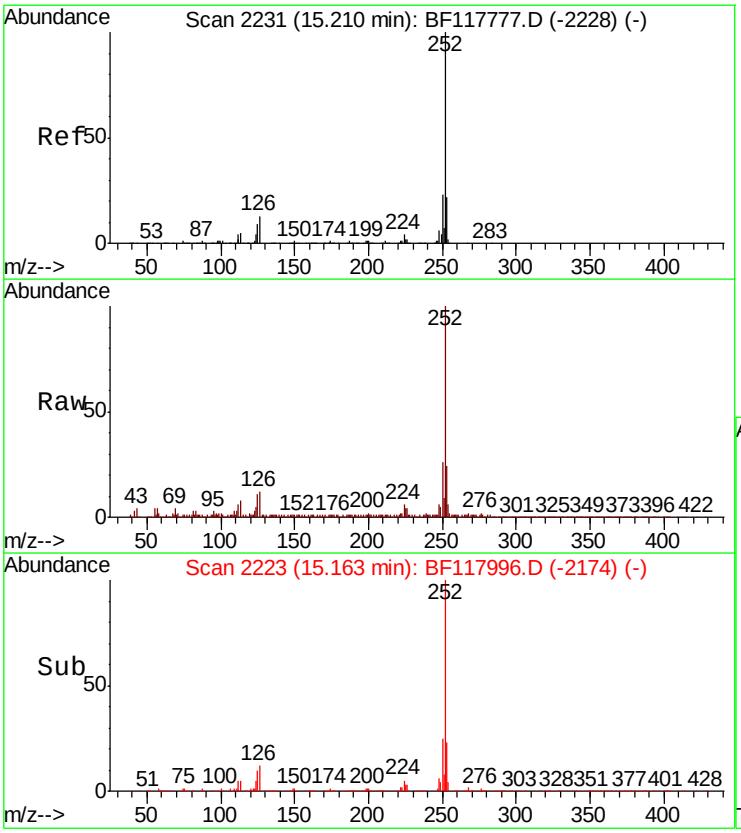
#88
Benzo(b)fluoranthene
Concen: 62.974 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 817582

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	11.0	8.6	13.0

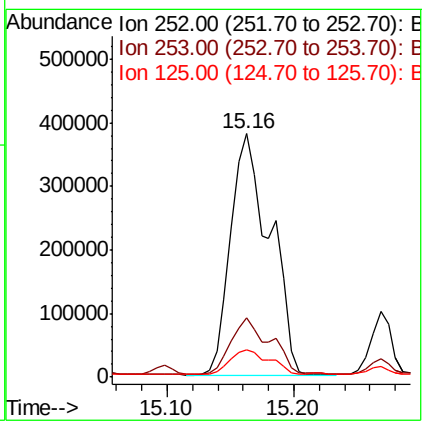


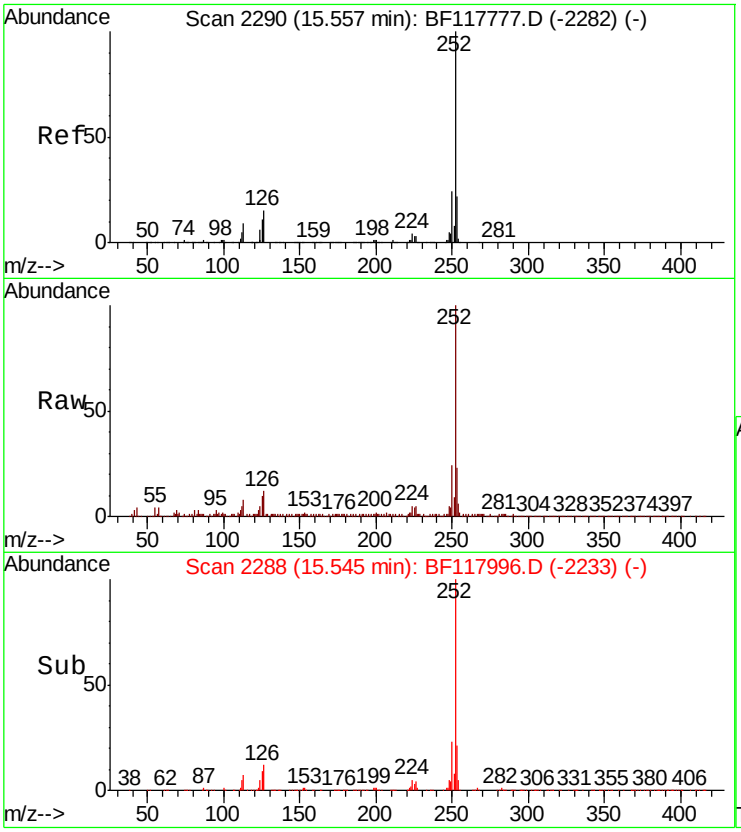


#89
Benzo(k)fluoranthene
Concen: 66.836 ng
RT: 15.16 min Scan# 2223
Delta R.T. -0.01 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:252 Resp: 817582

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	11.0	7.9	11.9



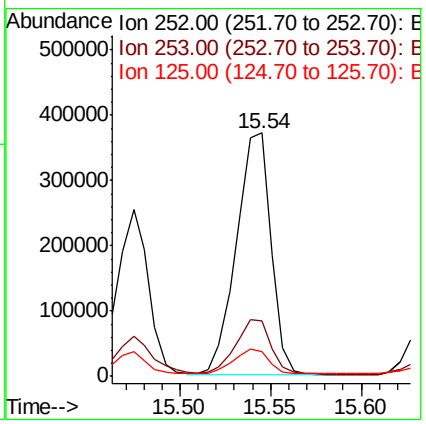


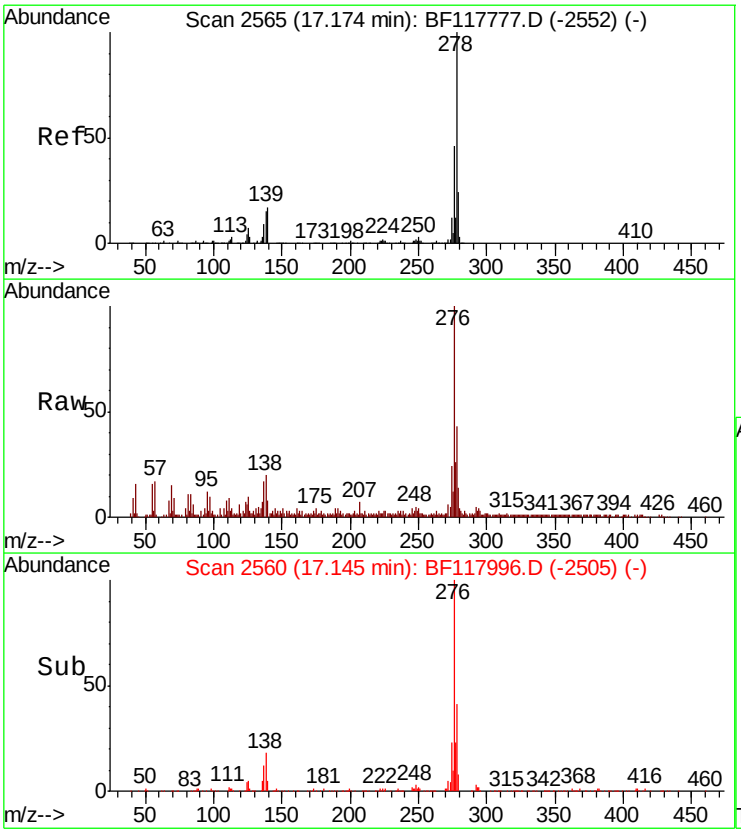
#90
Benzo(a)pyrene
Concen: 43.174 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 492881

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.4	9.2	13.8

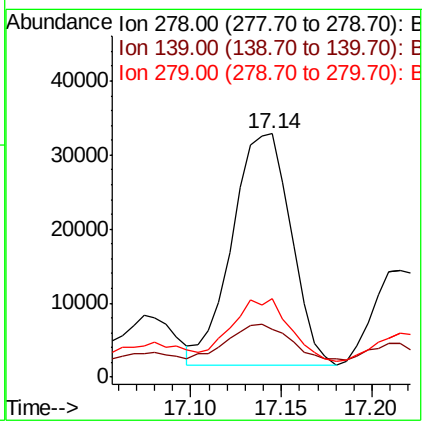


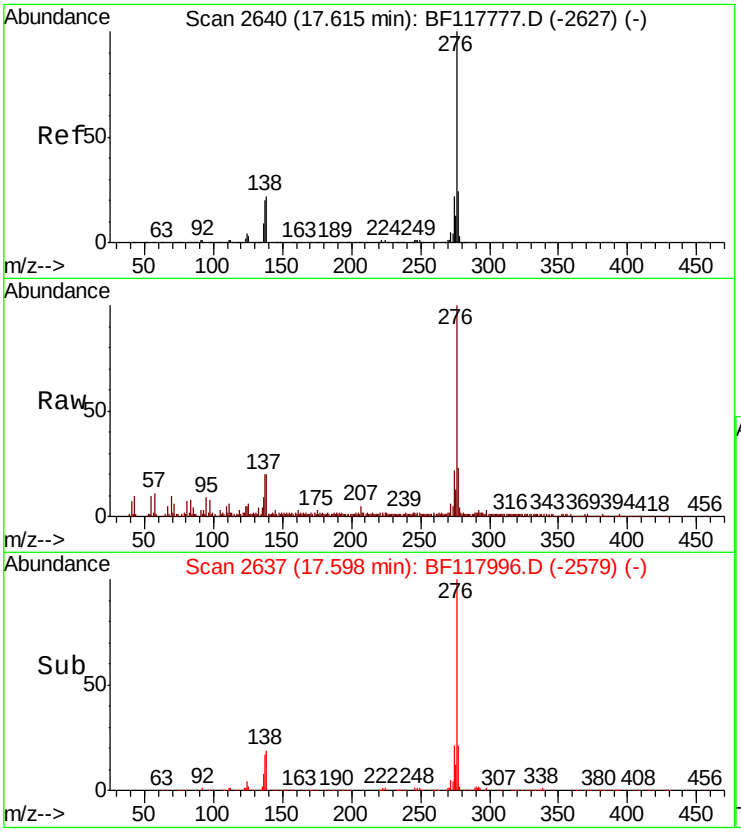


#91
Dibenzo(a,h)anthracene
Concen: 7.180 ng
RT: 17.14 min Scan# 2560
Delta R.T. 0.02 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Tgt Ion:278 Resp: 70551

Ion	Ratio	Lower	Upper
278	100		
139	19.5	13.8	20.8
279	32.1	19.6	29.4#





#92
Benzo(g,h,i)perylene
Concen: 21.895 ng
RT: 17.60 min Scan# 2637
Delta R.T. 0.04 min
Lab File: BF117996.D
Acq: 26 Nov 2019 5:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 214290

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.9	28.3
138	20.4	17.4	26.2