Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113848.D
Acq On : 19 Apr 2019 8:31
Operator : JU/SJ
Sample : K2435-01DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 19 09:05:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	139615	20.00	ng		0.00
21) Naphthalene-d8	8.17	136	480077	20.00	ng		0.00
39) Acenaphthene-d10	9.93	164	231987	20.00	ng		0.00
64) Phenanthrene-d10	11.42	188	482659	20.00	ng		0.00
76) Chrysene-d12	14.05	240	496862	20.00	ng		0.00
87) Perylene-d12	15.52	264	407612	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	158493	18.88	ng		0.00
7) Phenol-d6	6.51	99	195999	18.72	ng		0.00
23) Nitrobenzene-d5	7.45	82	101034	12.82	ng		-0.01
42) 2,4,6-Tribromophenol	10.72	330	53726	20.96	ng		0.00
45) 2-Fluorobiphenyl	9.25	172	207831	13.66	ng		0.00
79) Terphenyl-d14	12.99	244	310638	13.11	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.50	77	313	Below Cal		#	1
25) Isophorone	7.45	82	101032	6.190	ng	#	65
31) Naphthalene	8.20	128	130173	5.733	ng		98
32) Benzoic acid	7.95	122	364	5.998	ng	#	1
37) 2-Methylnaphthalene	8.89	142	48112	3.193	ng		98
38) 1-Methylnaphthalene	8.99	142	36736	2.513	ng		99
49) Acenaphthylene	9.79	152	63931	2.844	ng		96
52) Acenaphthene	9.96	154	68199	5.173	ng		95
55) Dibenzofuran	10.13	168	132663	6.717	ng		99
56) 4-Nitrophenol	10.13	139	45246	14.654	ng	#	14
58) Fluorene	10.47	166	95799	6.503	ng		99
71) Phenanthrene	11.44	178	1279974	52.069	ng		99
72) Anthracene	11.49	178	314040	12.678	ng		99
73) Carbazole	11.64	167	147974	6.579	ng		97
75) Fluoranthene	12.63	202	1351338	51.870	ng		99
78) Pyrene	12.86	202	1252189	35.760	ng		99
81) Benzo(a)anthracene	14.04	228	683411	23.530	ng		98
83) Chrysene	14.07	228	559853	19.420	ng		96
86) Indeno(1,2,3-cd)pyrene	16.99	276	176066	7.481	ng		95
88) Benzo(b)fluoranthene	15.09	252	735401	28.941	ng		97
89) Benzo(k)fluoranthene	15.09	252	735401	31.775	ng		98
90) Benzo(a)pyrene	15.46	252	370154	16.474	ng		98
91) Dibenzo(a,h)anthracene	17.17	278	43911	2.196	ng		96
92) Benzo(g,h,i)perylene	17.44	276	151731	7.467	ng		99

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
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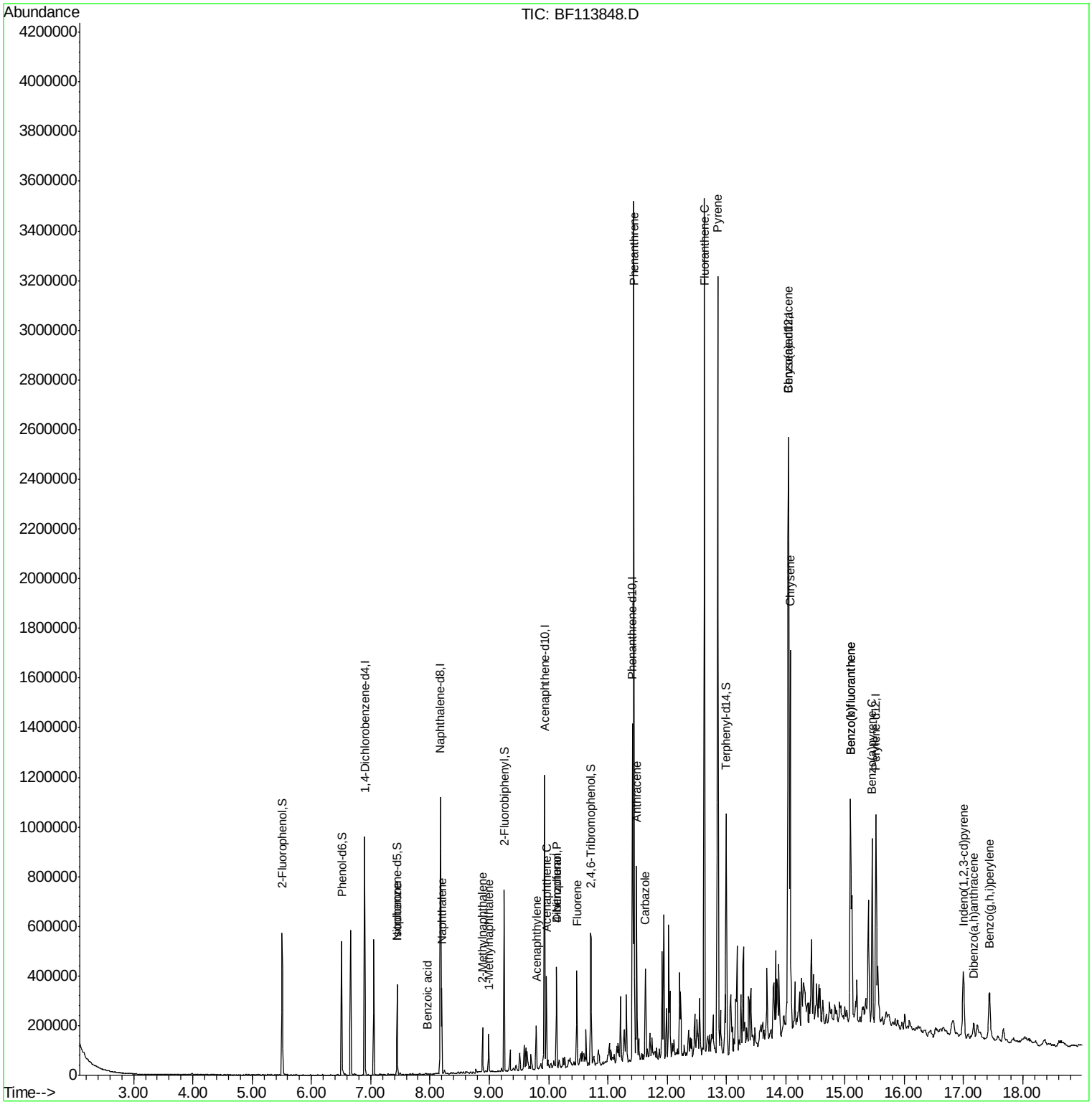
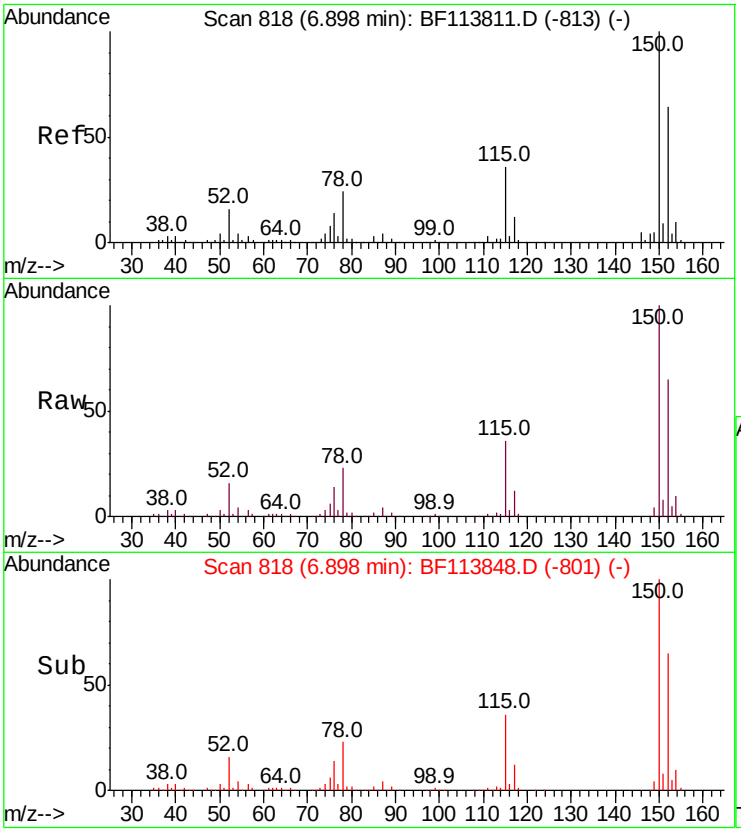
Sample : K2435-01DL 5X
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 19 09:05:45 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 18 13:55:51 2019
Response via : Initial Calibration



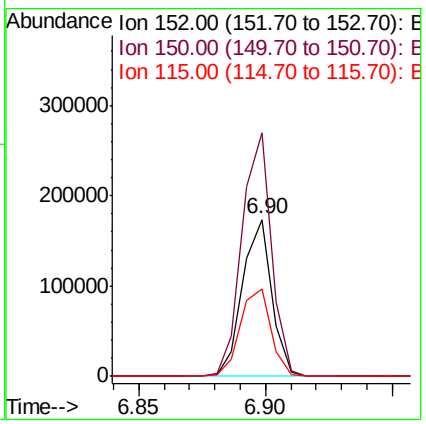


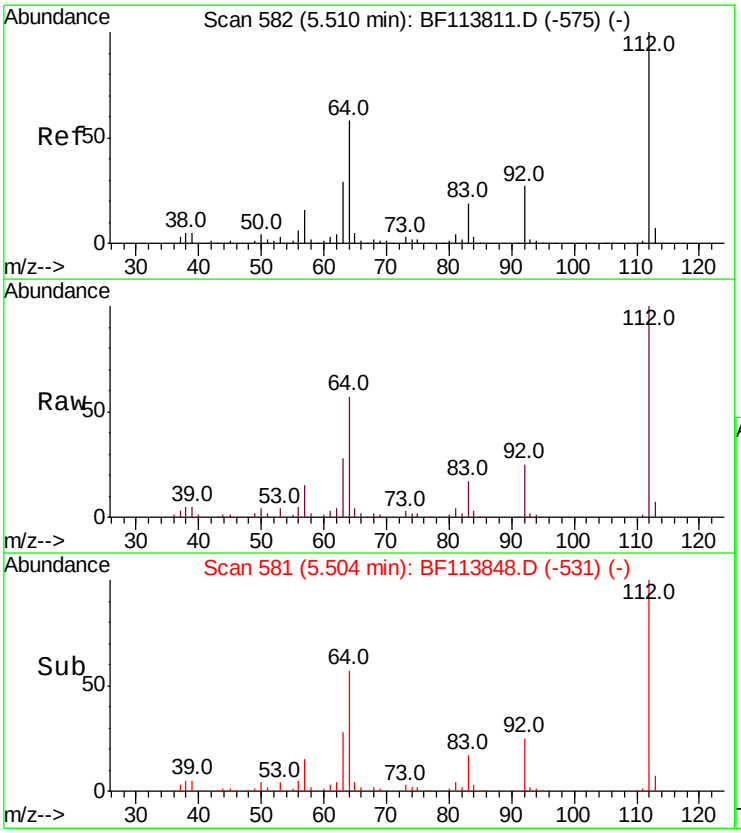
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 139615

Ion	Ratio	Lower	Upper
152	100		
150	154.9	125.9	188.9
115	55.8	45.9	68.9

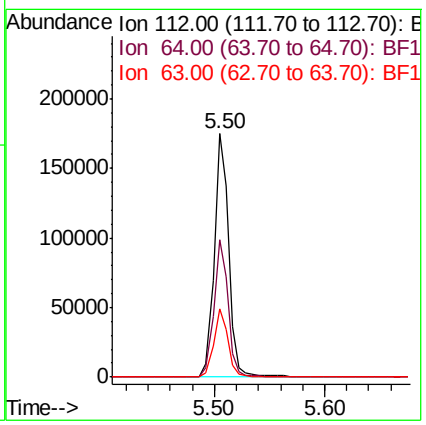


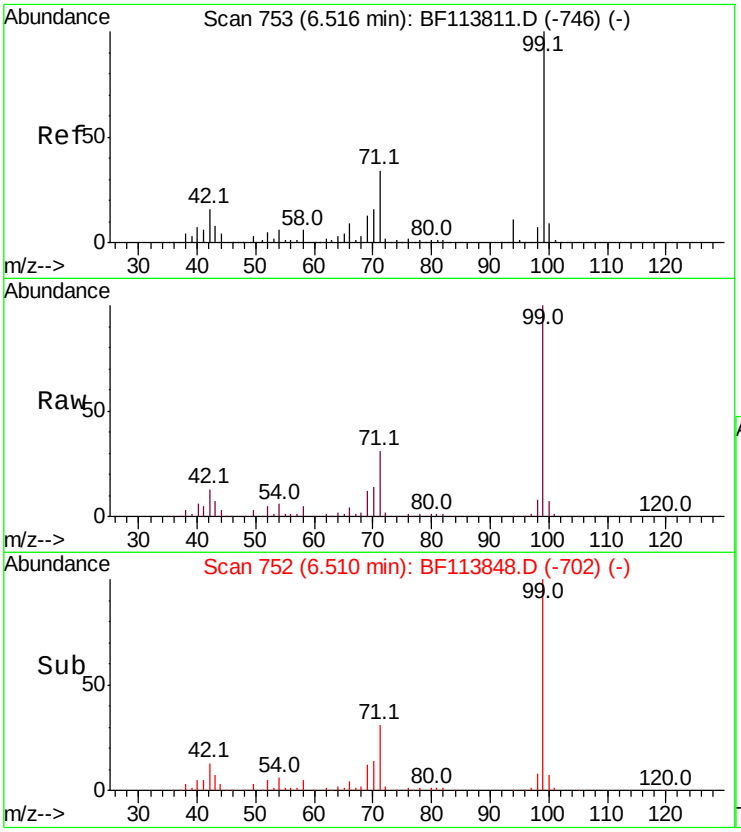


#5
2-Fluorophenol
Concen: 18.876 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:112 Resp: 158493

Ion	Ratio	Lower	Upper
112	100		
64	56.7	46.6	69.8
63	27.9	23.1	34.7



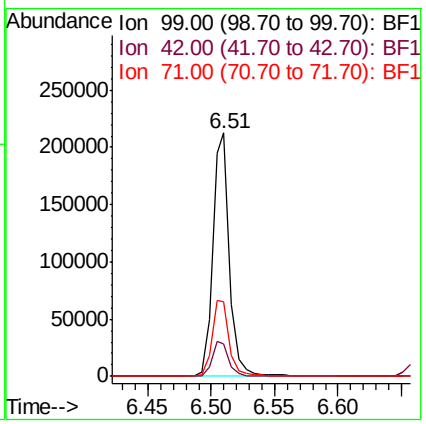


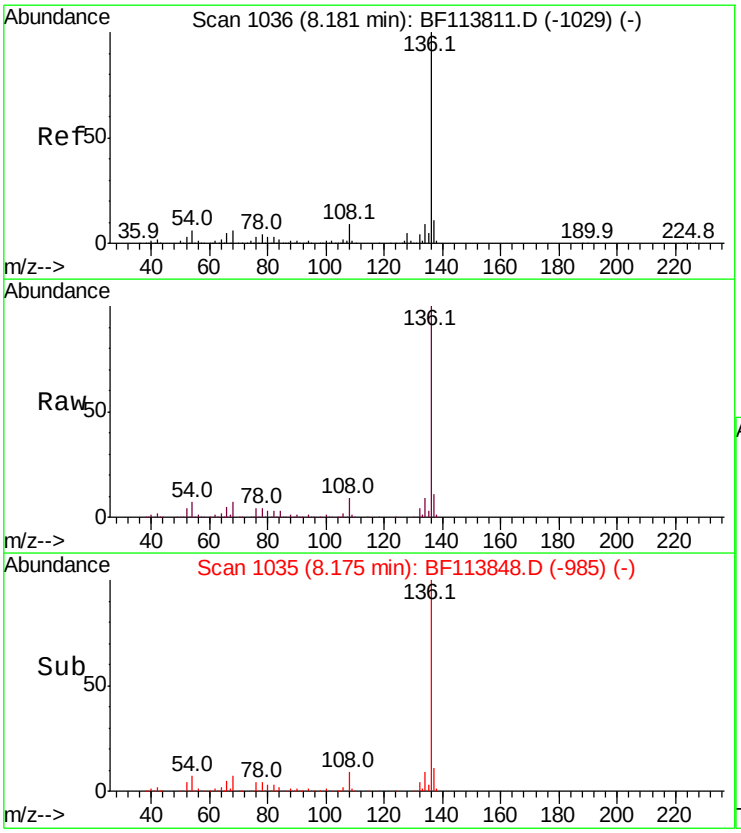
#7
Phenol-d6
Concen: 18.718 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 195999

Ion	Ratio	Lower	Upper
99	100		
42	13.4	12.5	18.7
71	30.7	26.9	40.3

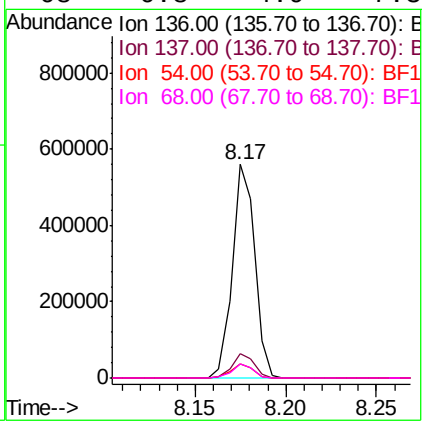


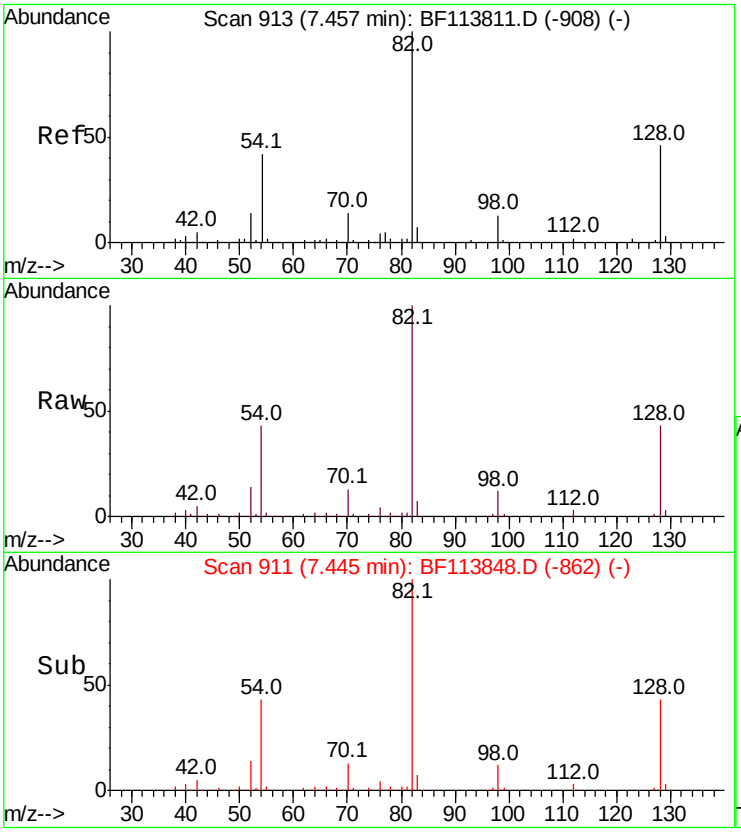


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:136 Resp: 480077

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	6.8	5.0	7.6
68	6.8	4.9	7.3

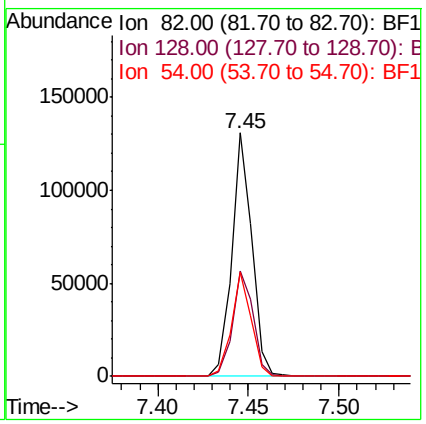




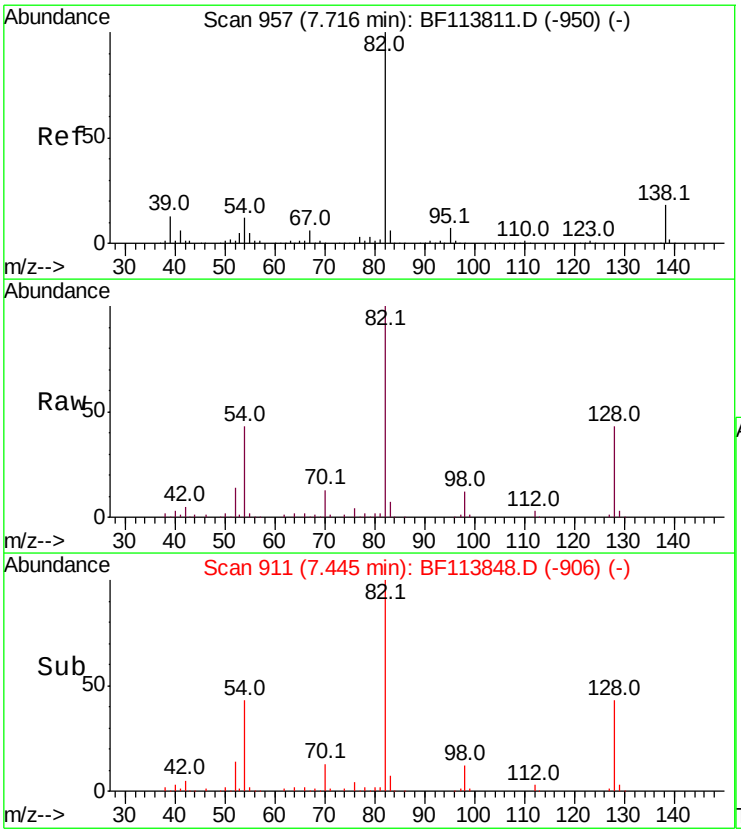
#23
Nitrobenzene-d5
Concen: 12.816 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion: 82 Resp: 101034

Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.8	55.2
54	42.7	33.8	50.6



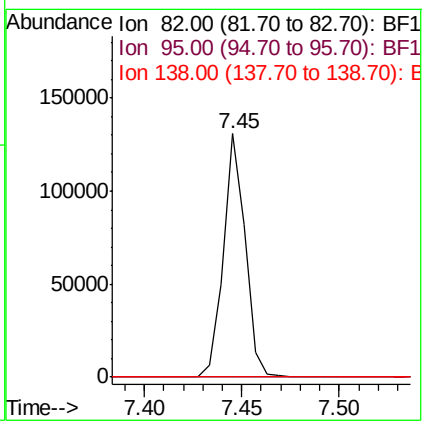
Instrument :
BNA_F
ClientSampleId :

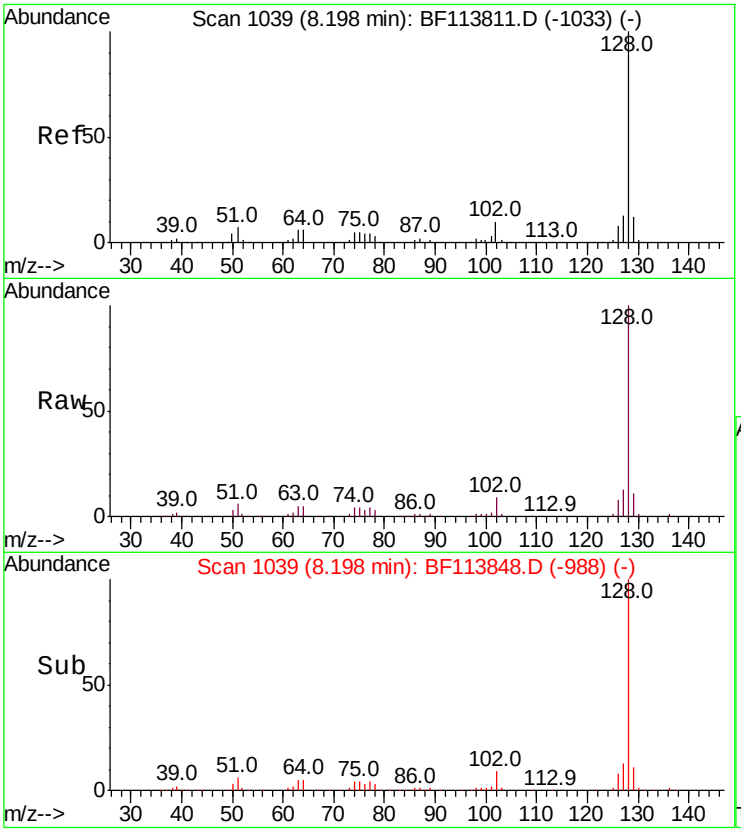


#25
Isophorone
Concen: 6.190 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.27 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion: 82 Resp: 101032

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	22.0#



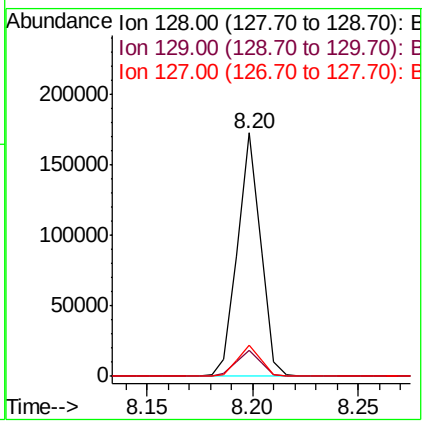


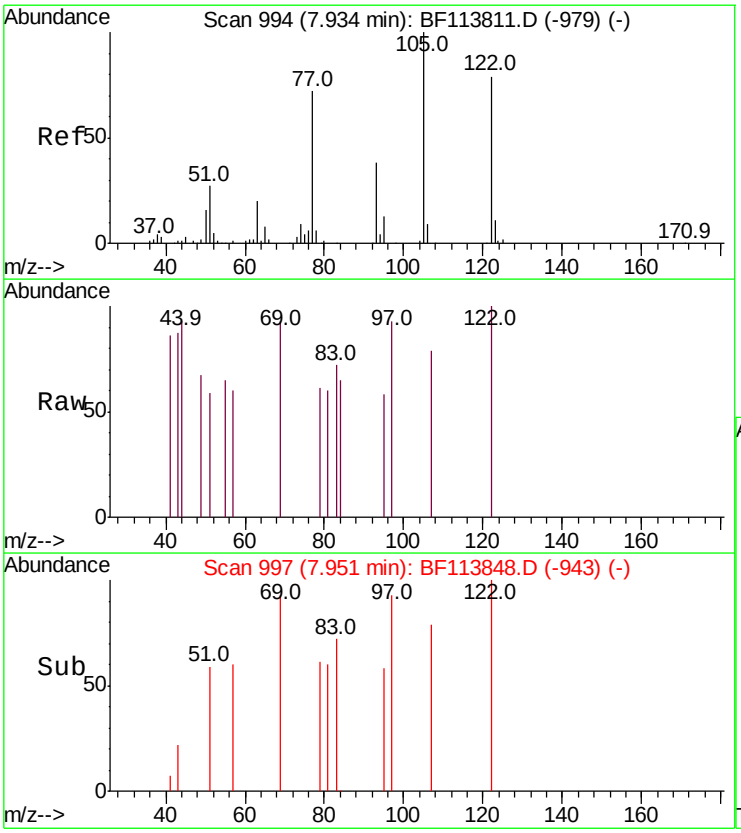
#31
Naphthalene
Concen: 5.733 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 130173

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.4	14.0
127	12.9	10.8	16.2

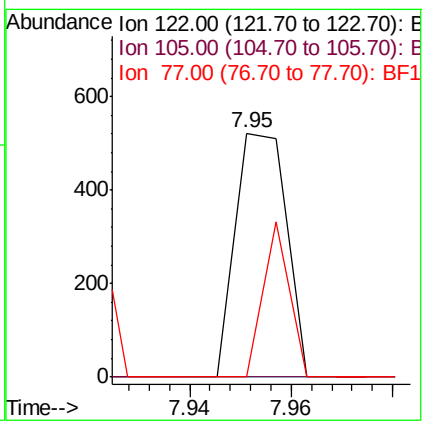


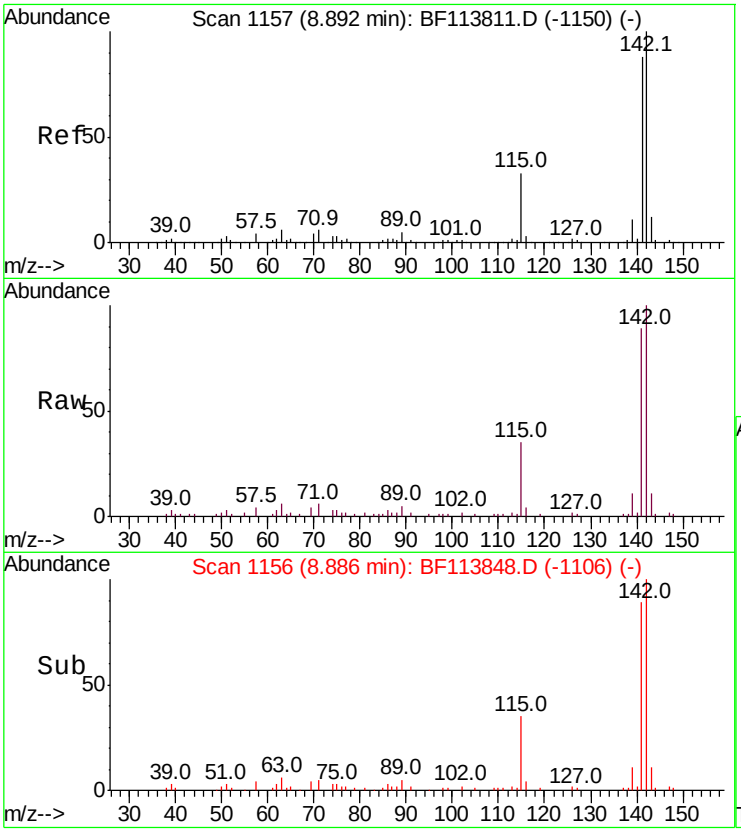


#32
Benzoic acid
Concen: 5.998 ng
RT: 7.95 min Scan# 997
Delta R.T. 0.02 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:122 Resp: 364

Ion	Ratio	Lower	Upper
122	100		
105	0.0	104.3	144.3#
77	0.0	70.4	110.4#



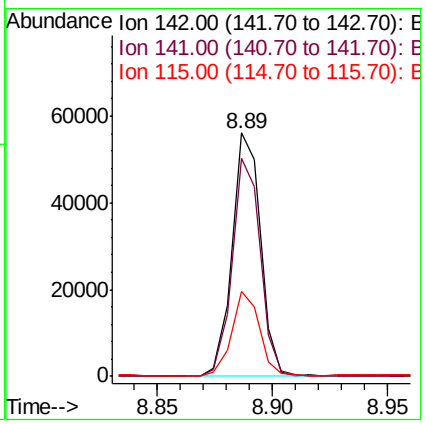


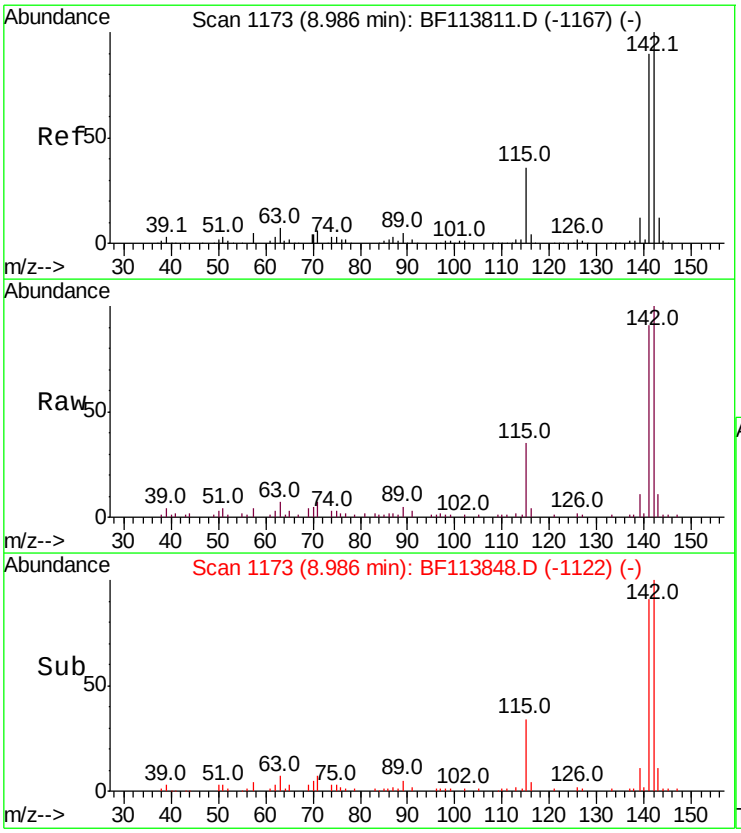
#37
2-Methylnaphthalene
Concen: 3.193 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 48112

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.4	105.6
115	34.8	26.3	39.5

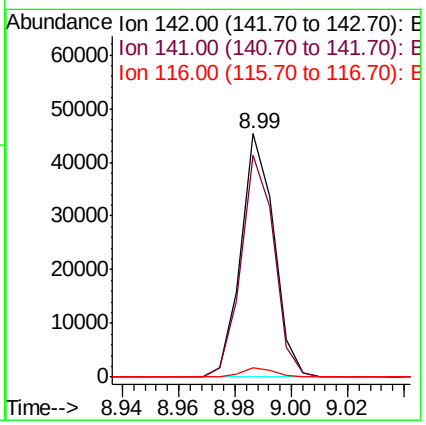


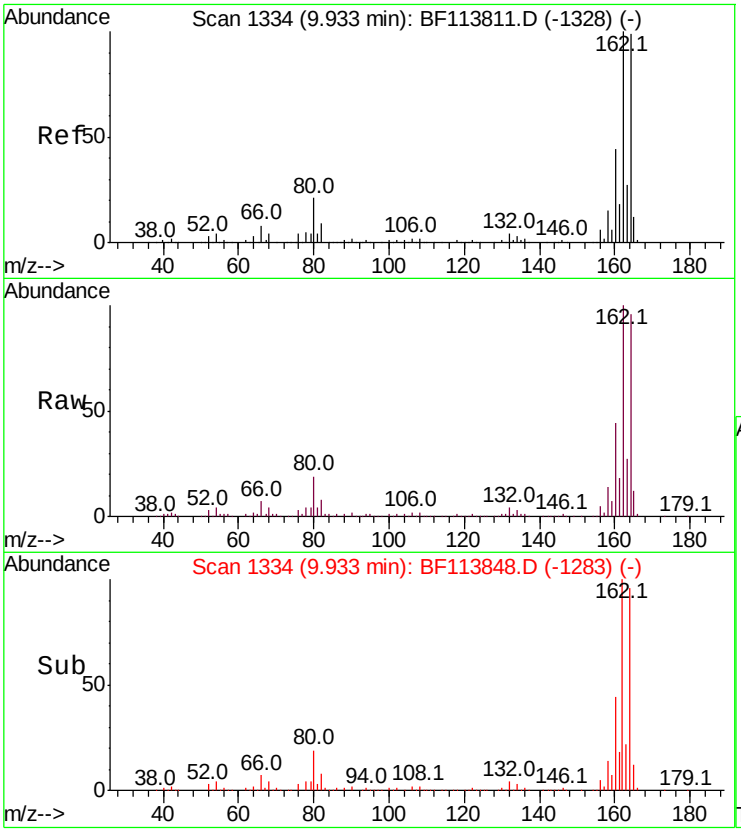


#38
1-Methylnaphthalene
Concen: 2.513 ng
RT: 8.99 min Scan# 1173
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:142 Resp: 36736

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.3	108.5
116	3.9	3.0	4.4



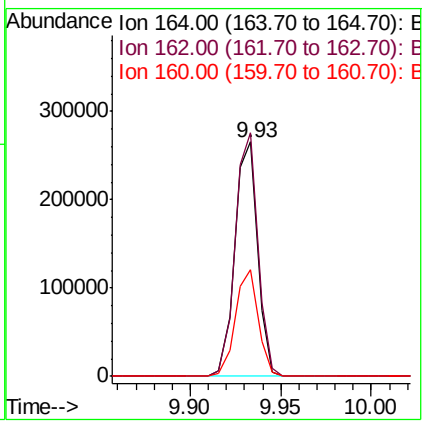


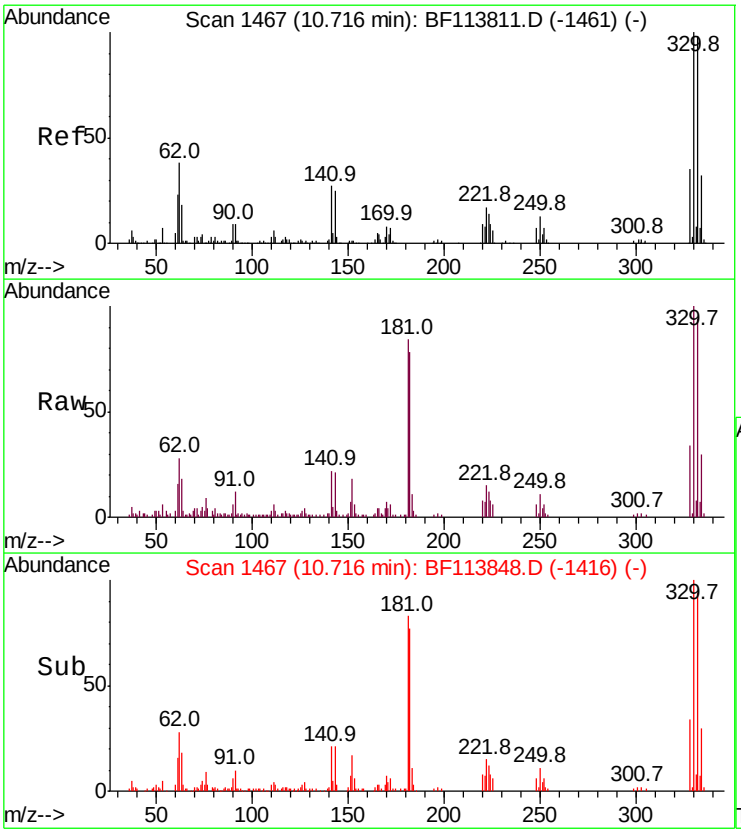
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 231987

Ion	Ratio	Lower	Upper
164	100		
162	103.8	81.1	121.7
160	45.5	35.8	53.6

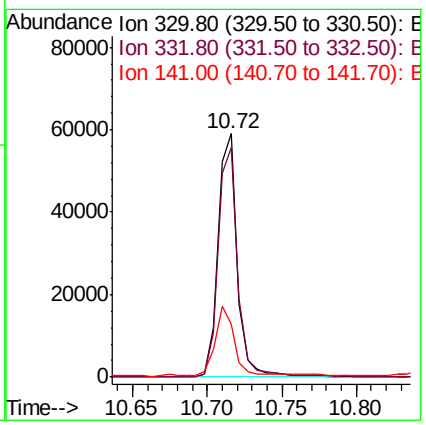


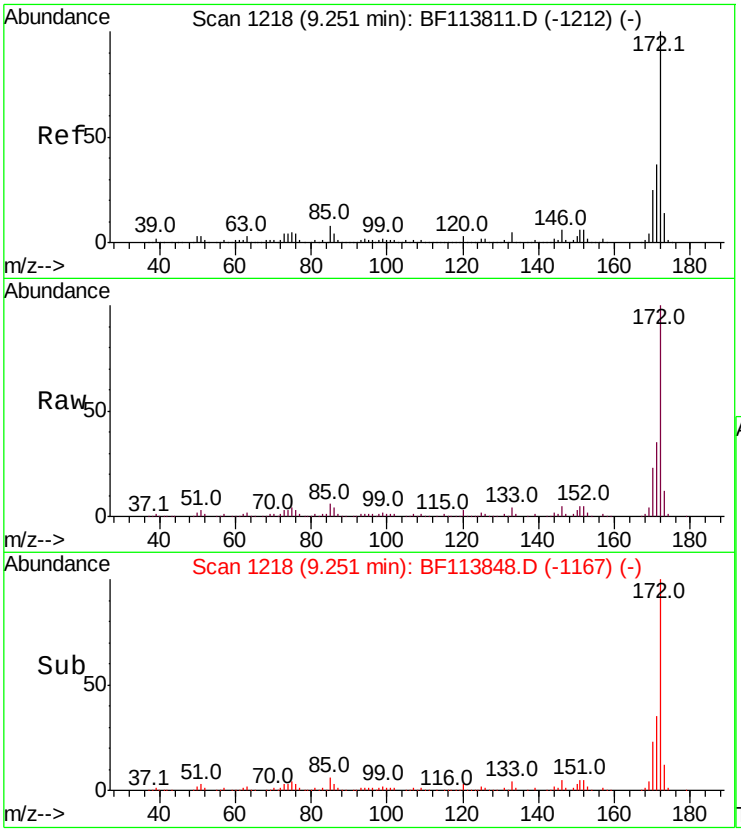


#42
2,4,6-Tribromophenol
Concen: 20.962 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:330 Resp: 53726

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.5	116.3
141	27.2	22.2	33.2

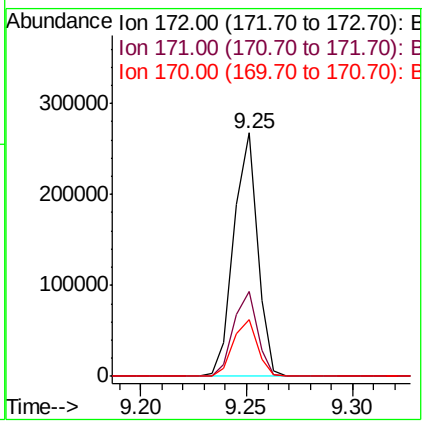




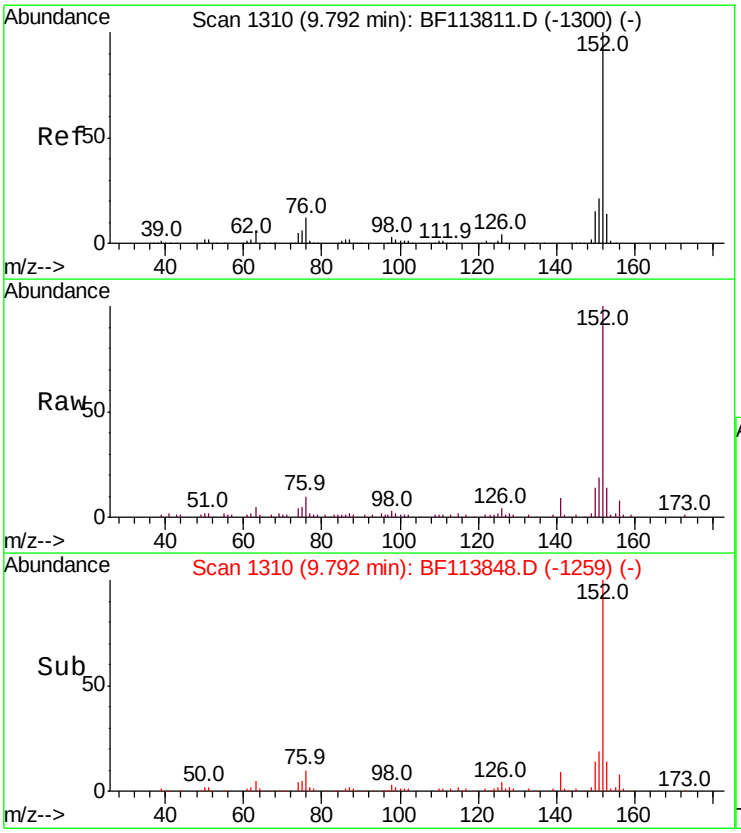
#45
2-Fluorobiphenyl
Concen: 13.662 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:172 Resp: 207831

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.4	44.0
170	23.5	19.9	29.9



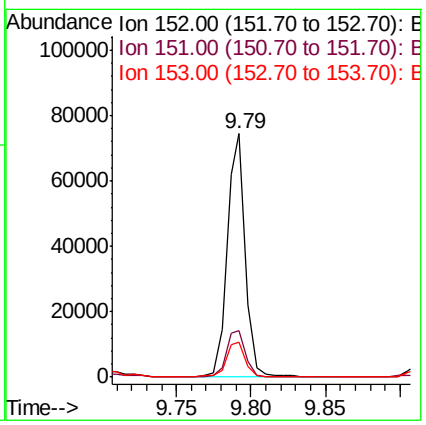
Instrument :
BNA_F
ClientSampleId :

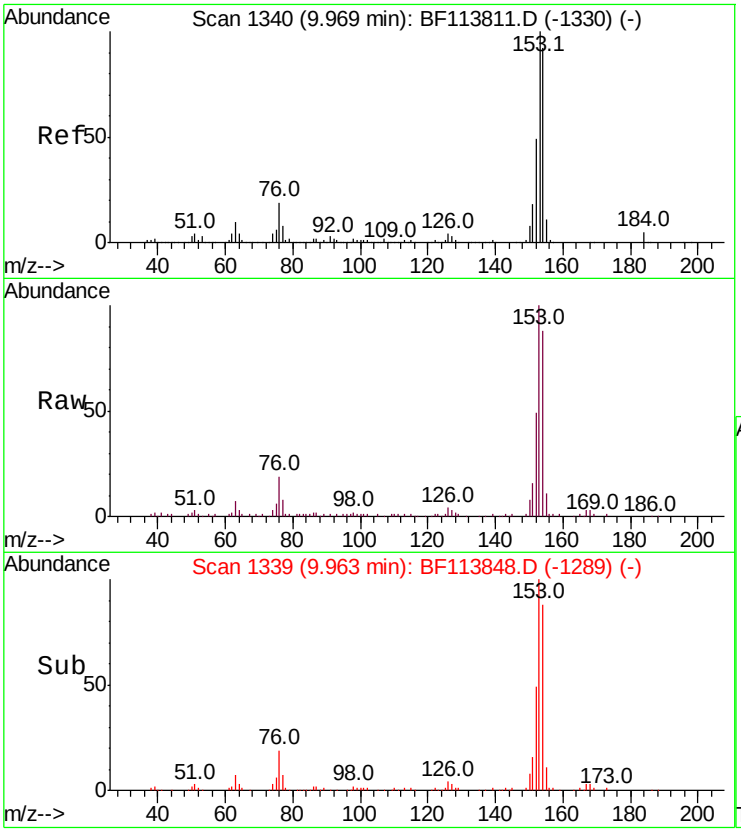


#49
Acenaphthylene
Concen: 2.844 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:152 Resp: 63931

Ion	Ratio	Lower	Upper
152	100		
151	18.9	17.0	25.4
153	14.5	11.0	16.6



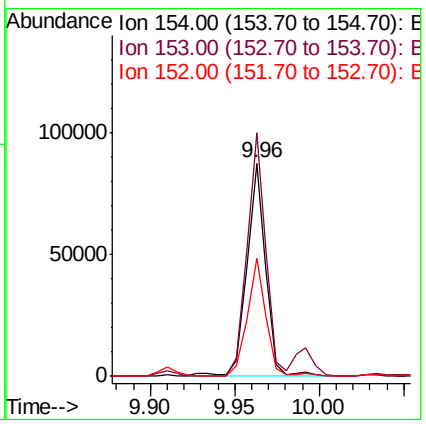


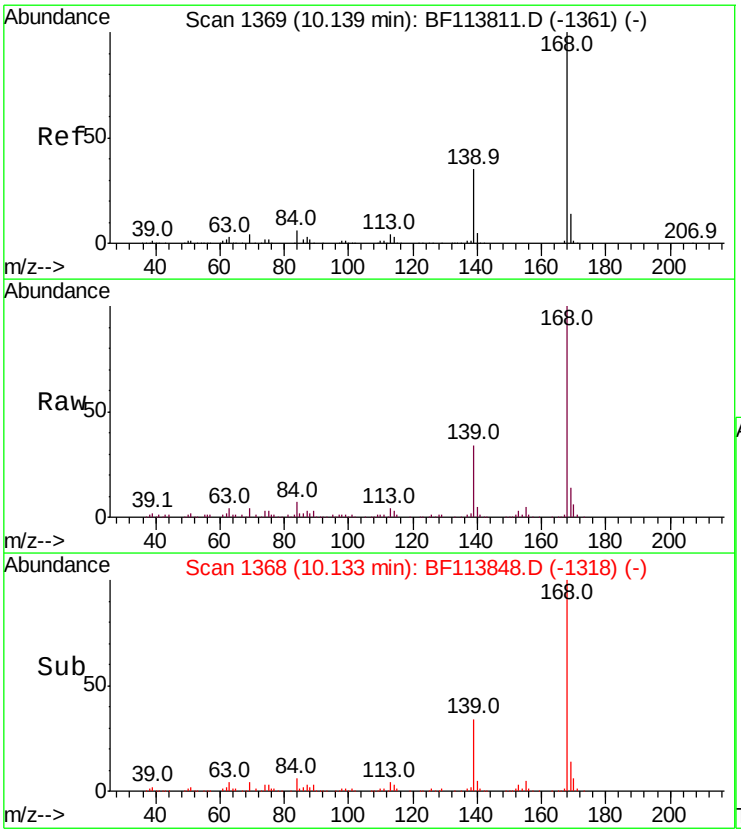
#52
Acenaphthene
Concen: 5.173 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 68199

Ion	Ratio	Lower	Upper
154	100		
153	114.3	87.2	130.8
152	55.6	42.3	63.5

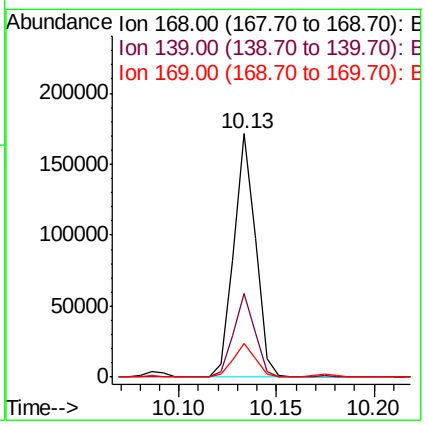


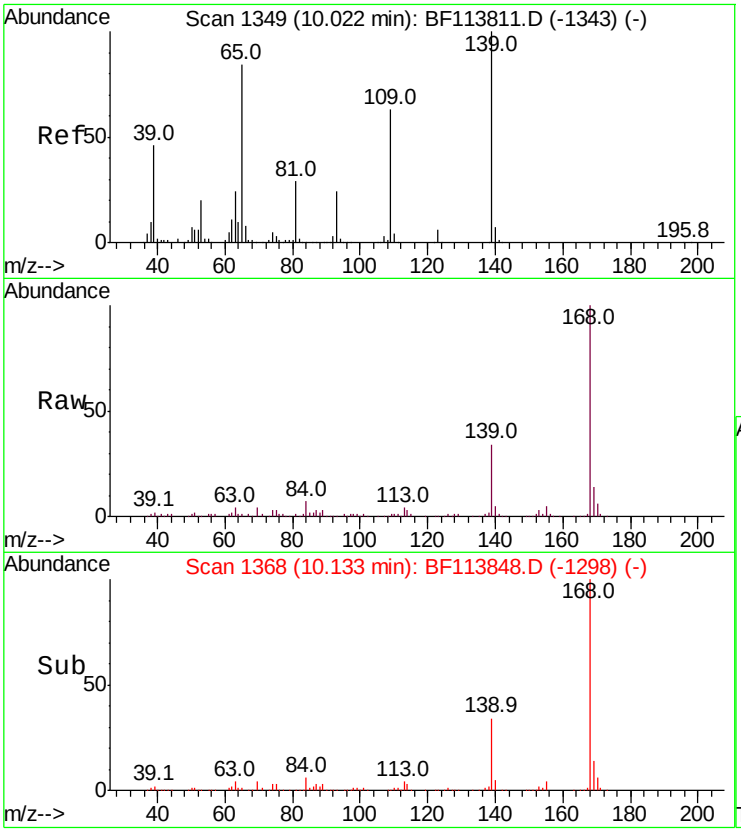


#55
Dibenzofuran
Concen: 6.717 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:168 Resp: 132663

Ion	Ratio	Lower	Upper
168	100		
139	34.3	27.8	41.6
169	13.6	11.0	16.6



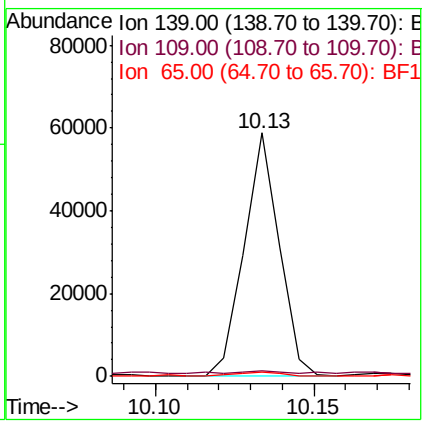


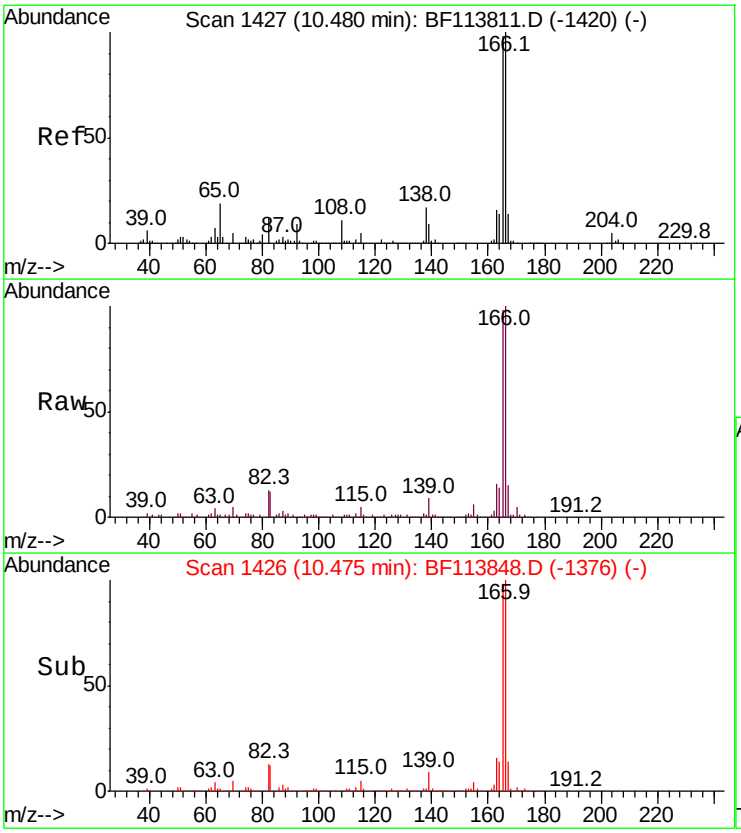
#56
4-Nitrophenol
Concen: 14.654 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.11 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 45246

Ion	Ratio	Lower	Upper
139	100		
109	2.2	42.9	82.9#
65	1.8	64.4	104.4#

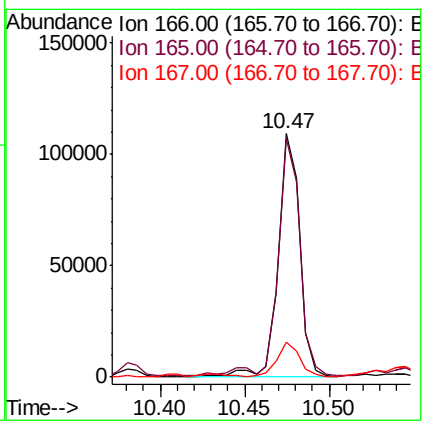


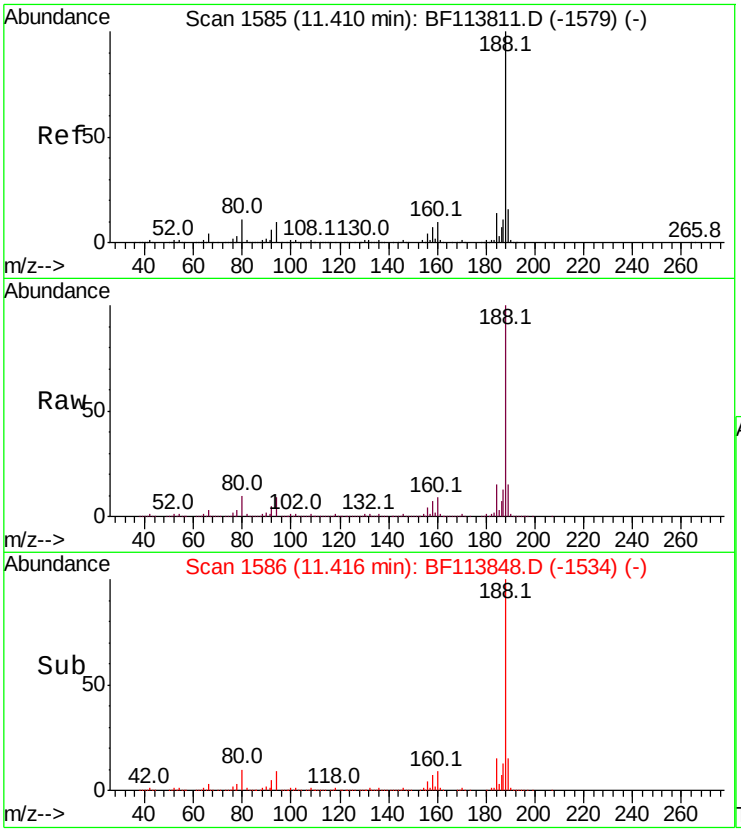


#58
Fluorene
Concen: 6.503 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:166 Resp: 95799

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	14.5	10.9	16.3



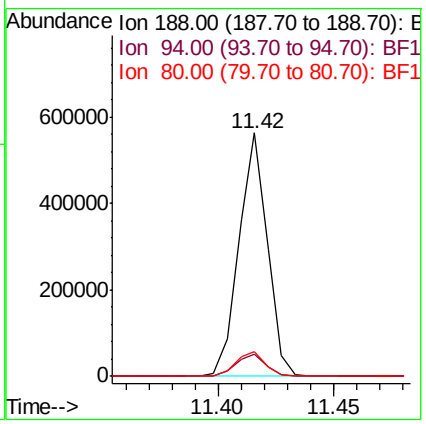


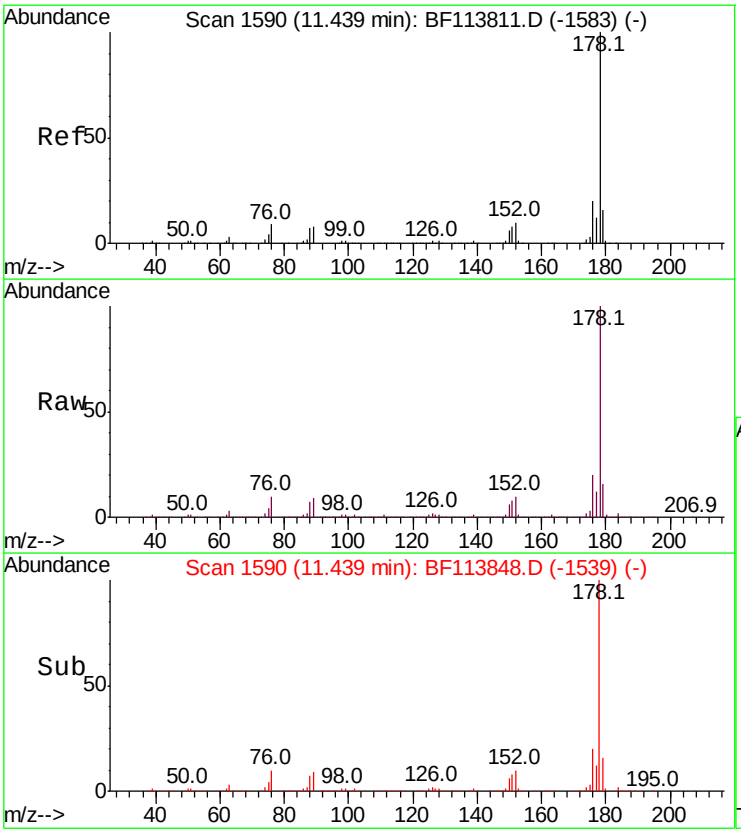
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 482659

Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.2	12.4
80	10.2	9.0	13.6

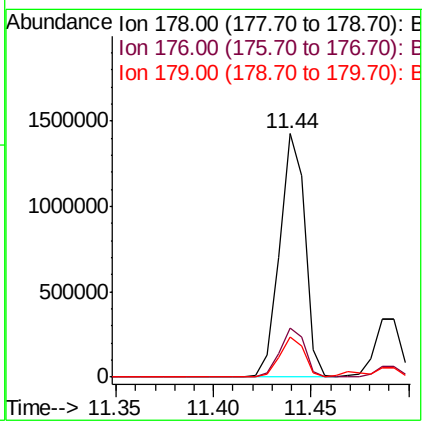


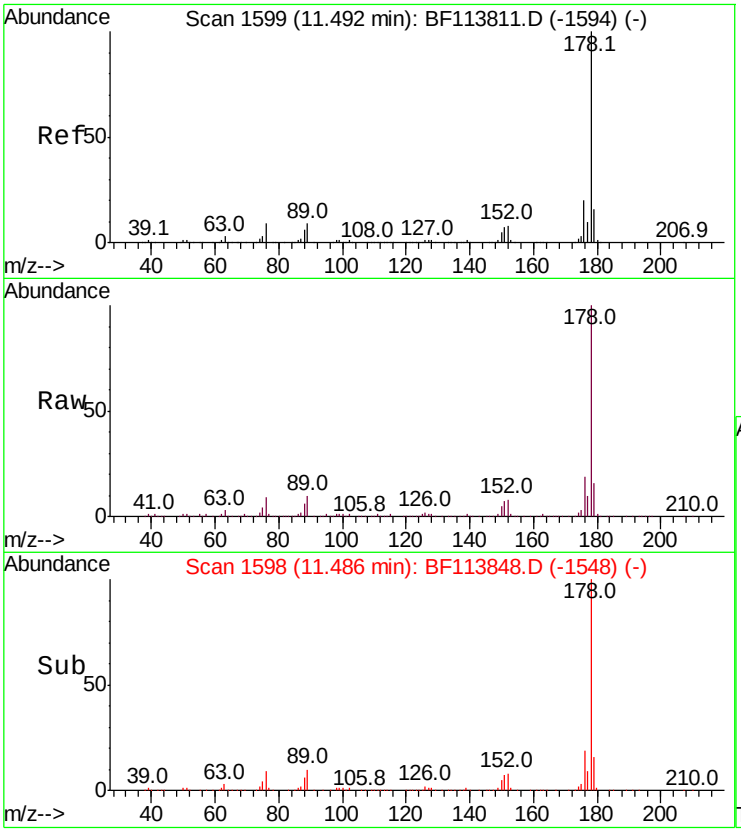


#71
Phenanthrene
Concen: 52.069 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:178 Resp: 1279974

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.1	24.1
179	16.3	12.8	19.2



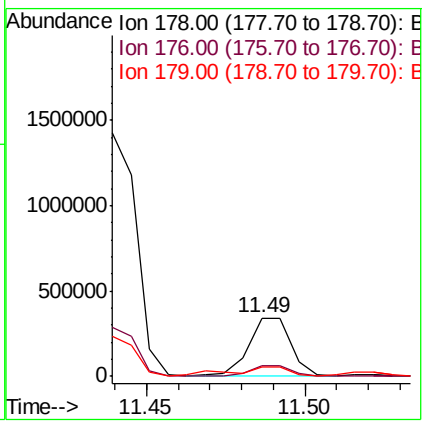


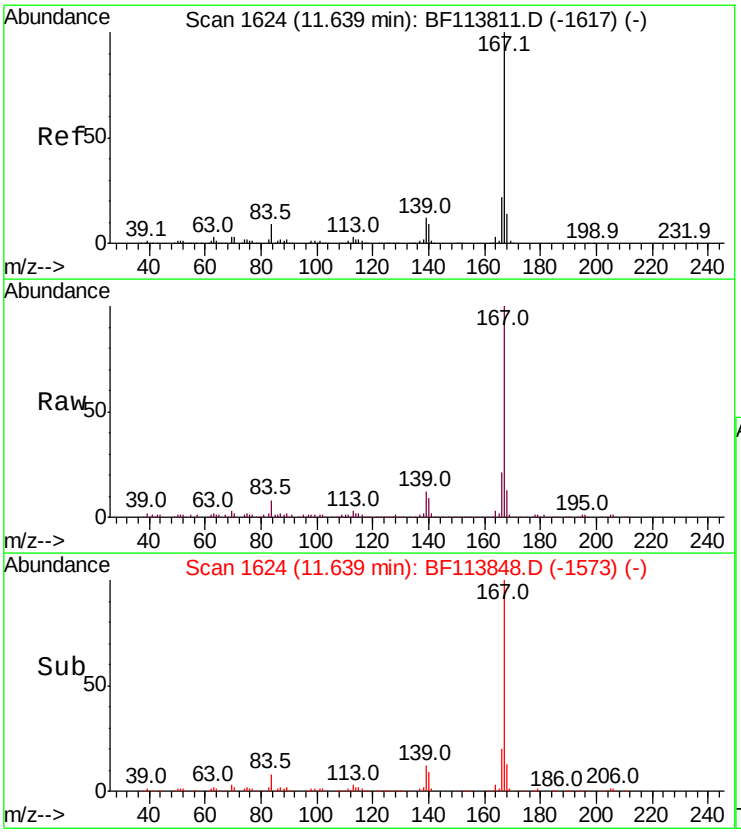
#72
Anthracene
Concen: 12.678 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 314040

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.9	13.0	19.4

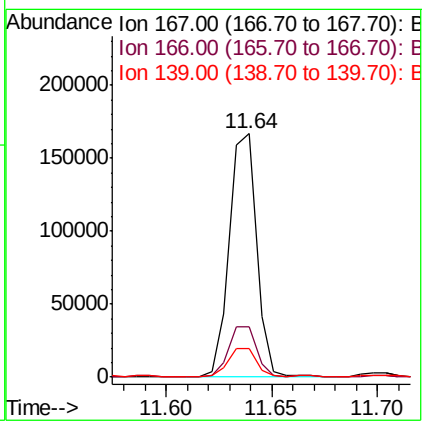


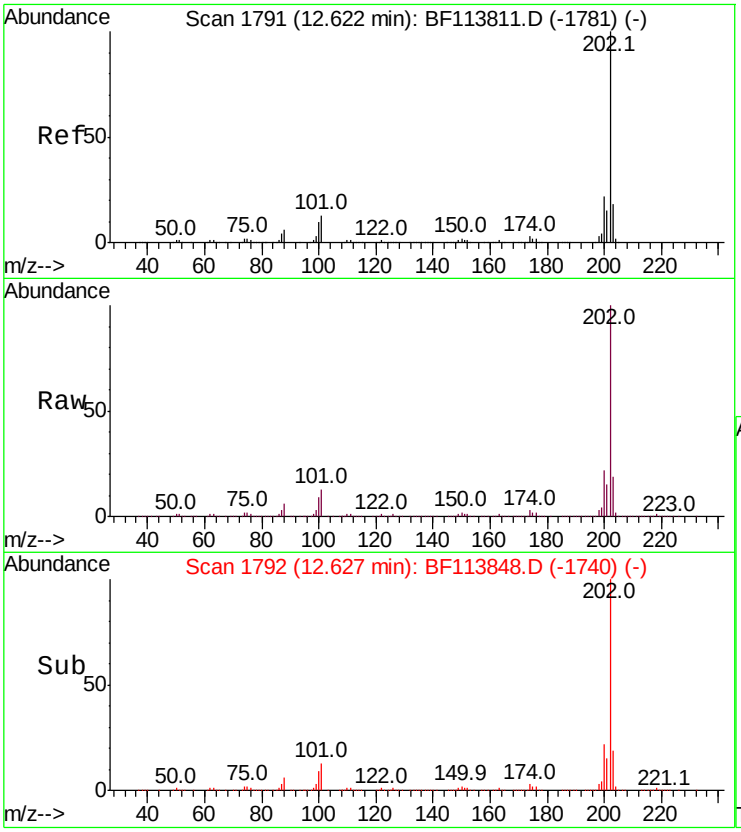


#73
Carbazole
Concen: 6.579 ng
RT: 11.64 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:167 Resp: 147974

Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.7	26.5
139	11.9	10.0	15.0



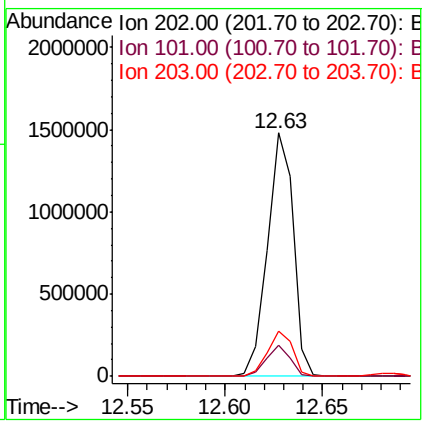


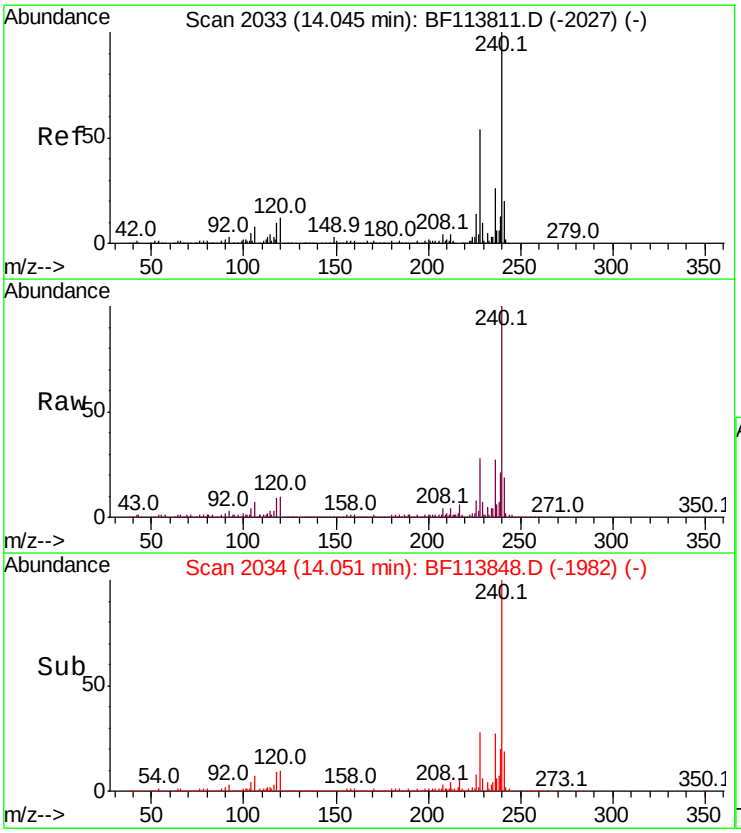
#75
Fluoranthene
Concen: 51.870 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1351338

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.9
203	18.5	0.0	38.2

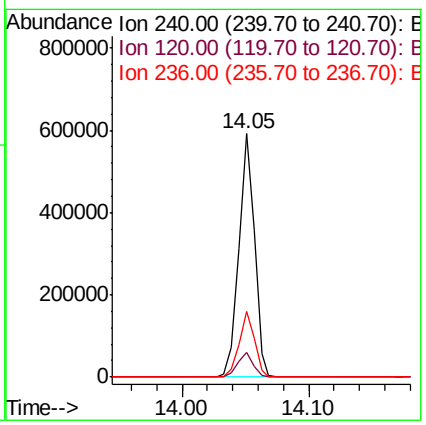


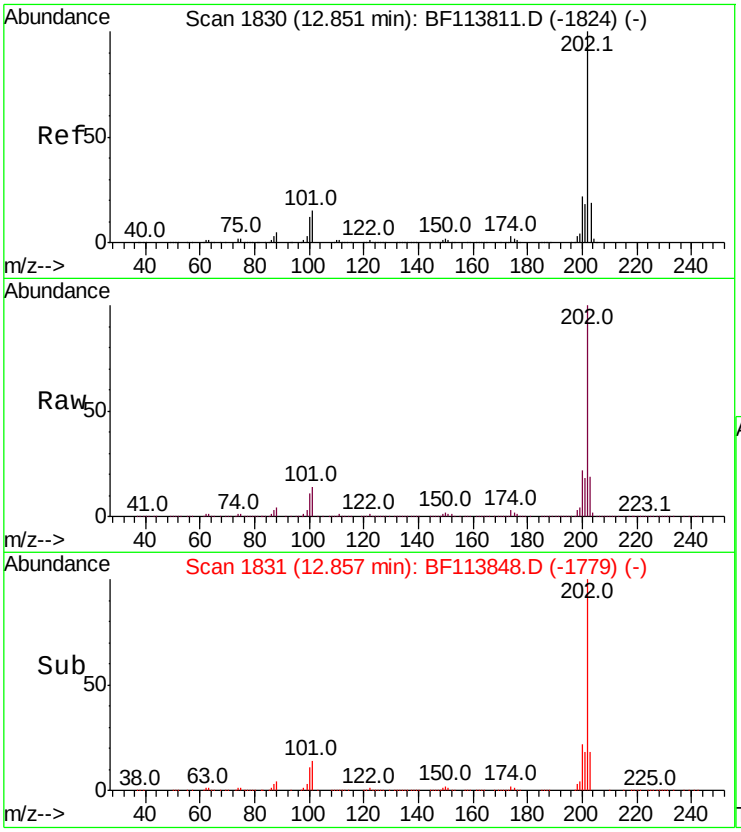


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:240 Resp: 496862

Ion	Ratio	Lower	Upper
240	100		
120	10.4	9.3	13.9
236	26.8	21.2	31.8



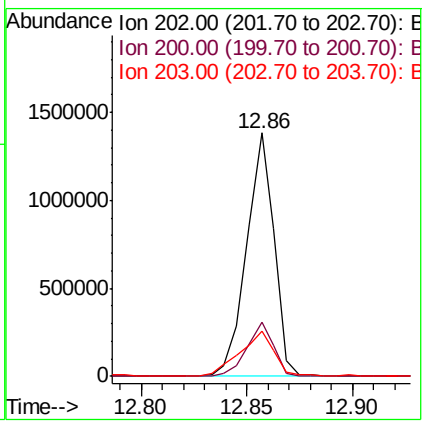


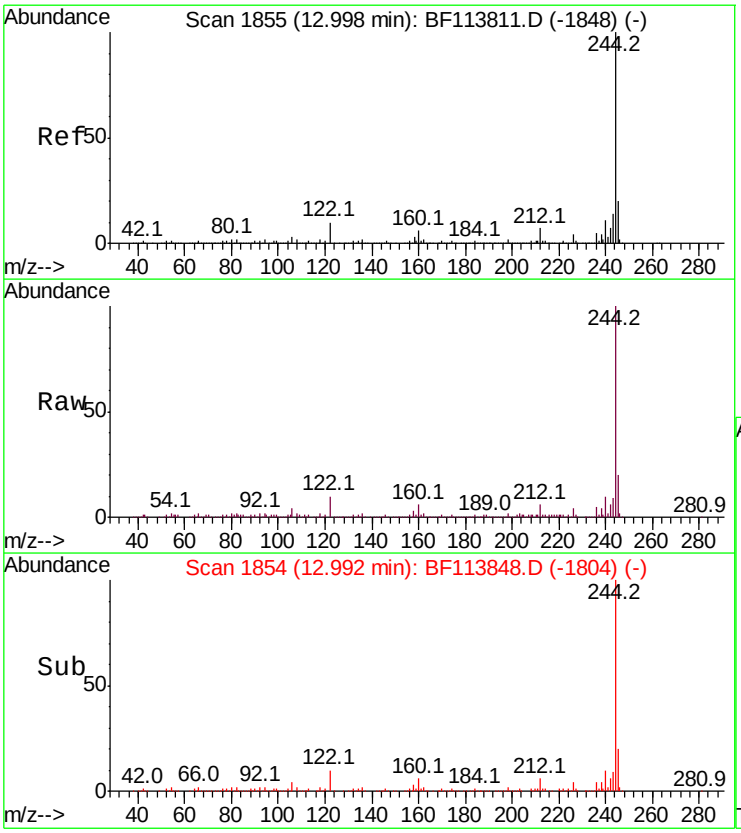
#78
Pyrene
Concen: 35.760 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1252189

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.7	26.5
203	18.6	15.0	22.6

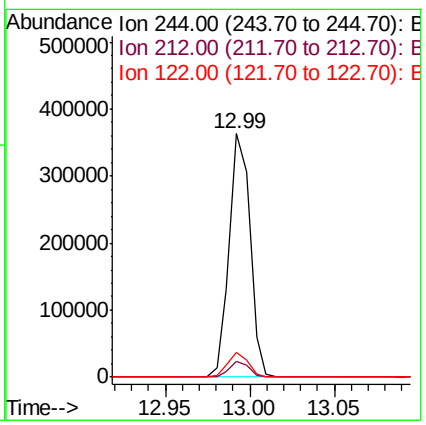


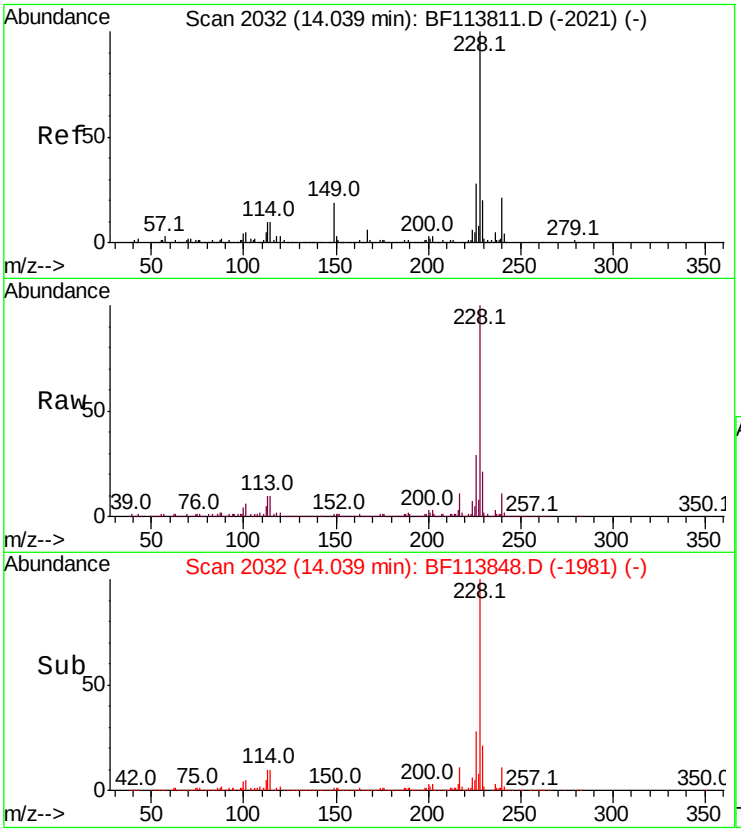


#79
Terphenyl-d14
Concen: 13.110 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:244 Resp: 310638

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.4	7.6	11.4



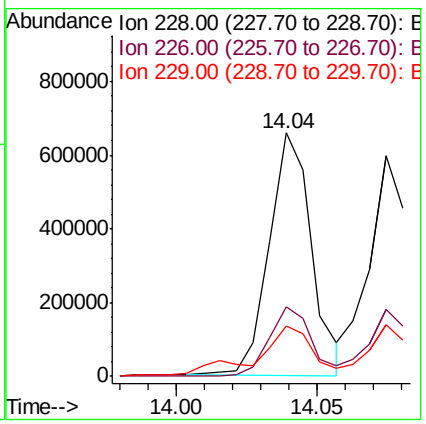


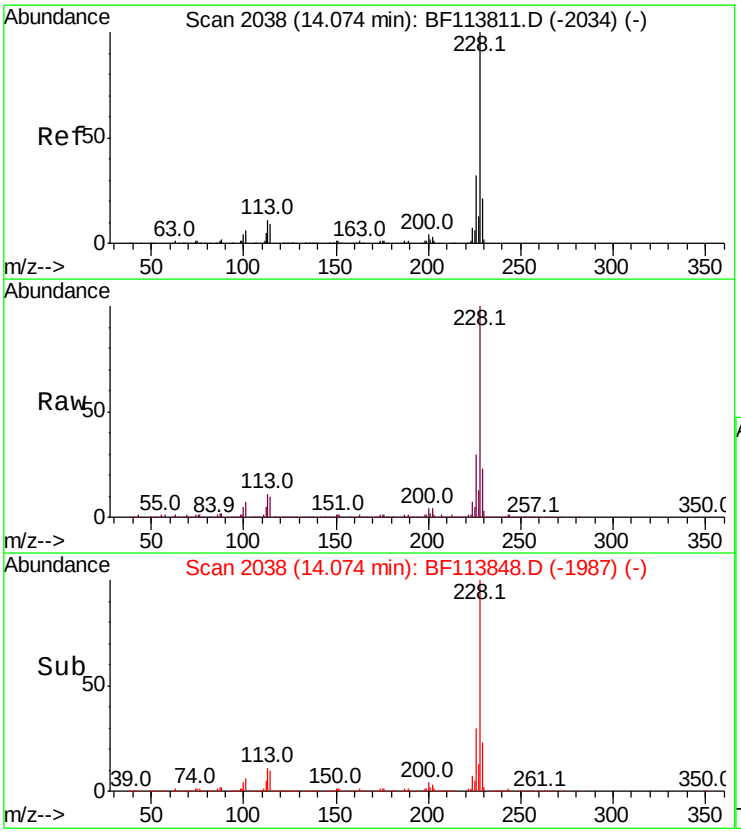
#81
Benzo(a)anthracene
Concen: 23.530 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 683411

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.2	33.2
229	20.8	16.0	24.0

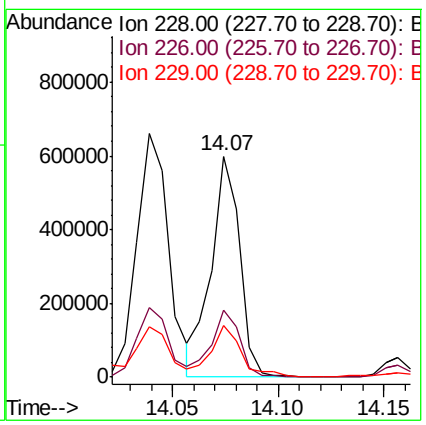


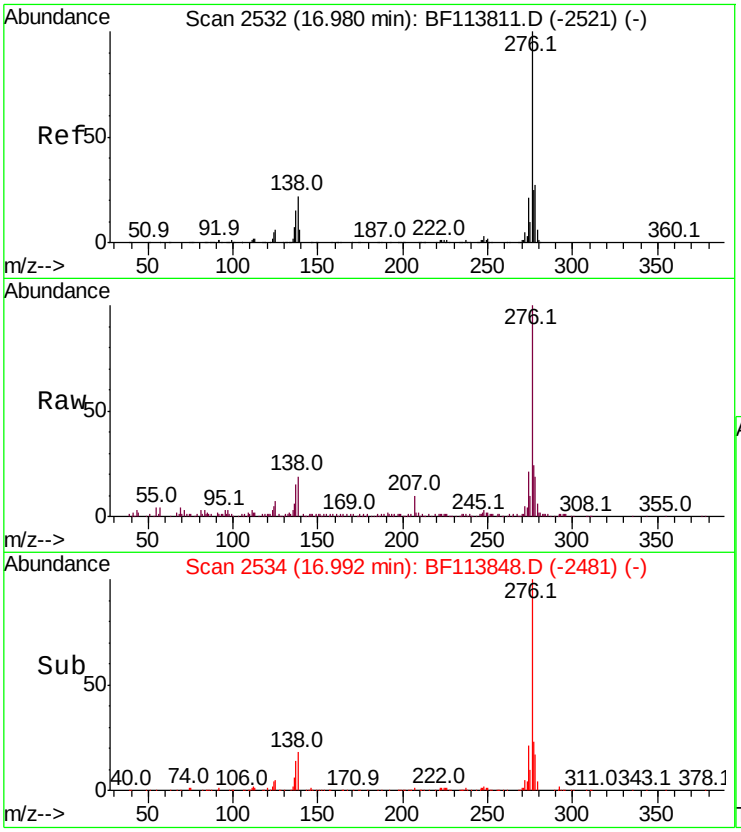


#83
Chrysene
Concen: 19.420 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:228 Resp: 559853

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.2	37.8
229	23.4	16.7	25.1



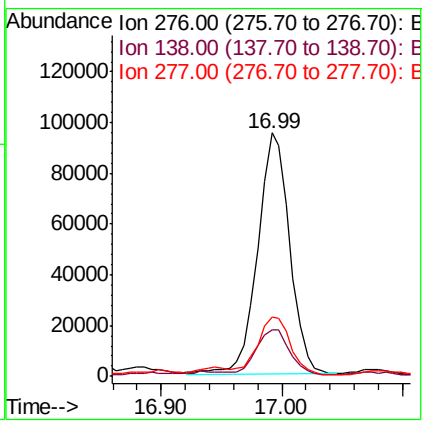


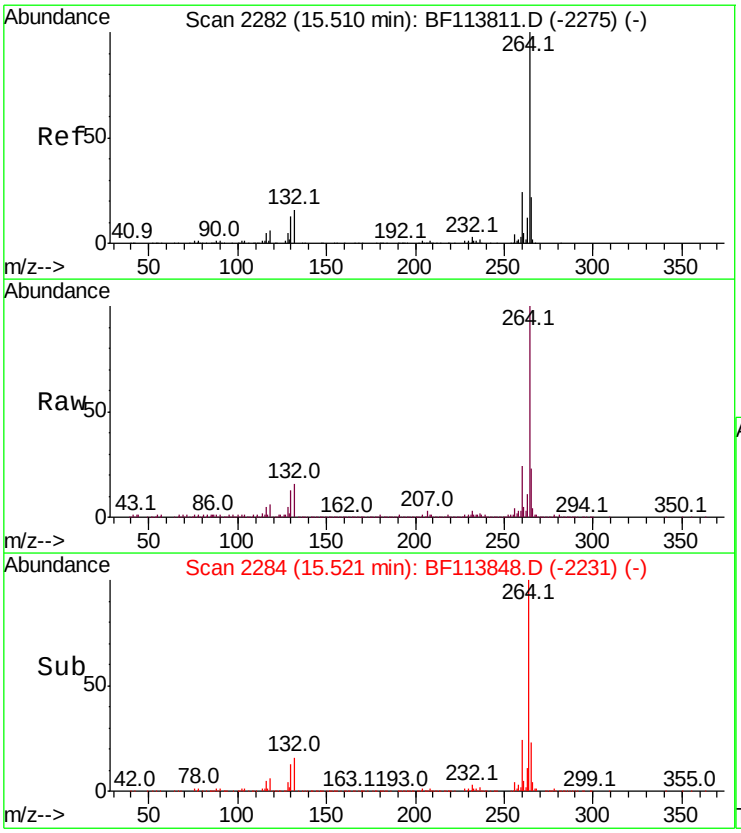
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.481 ng
RT: 16.99 min Scan# 2534
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 176066

Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.6	29.4
277	24.6	20.2	30.4

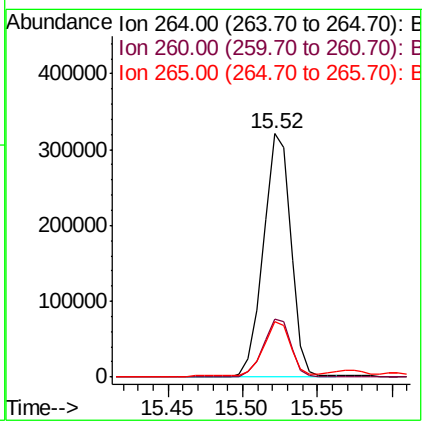


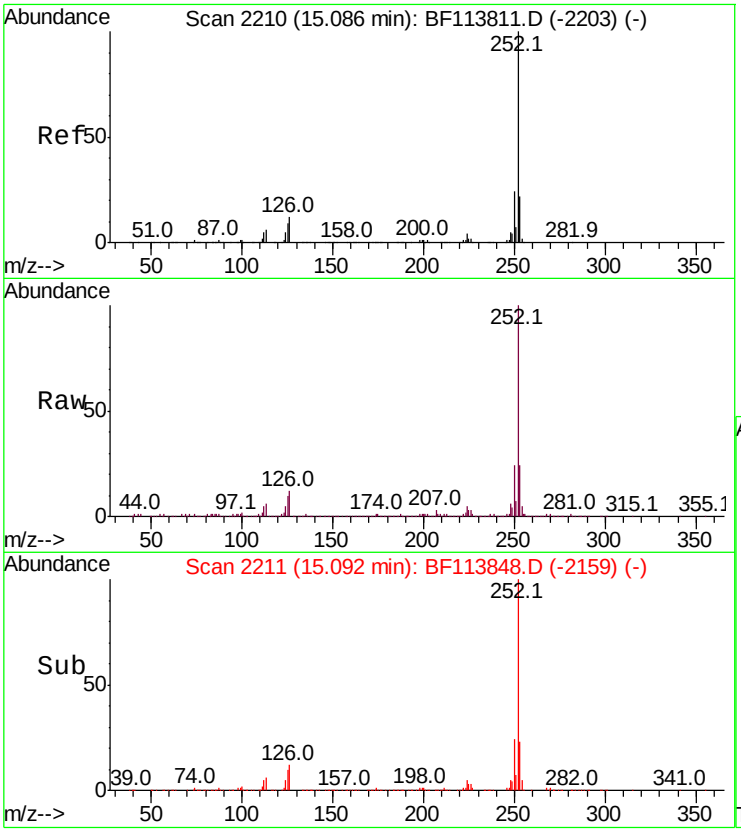


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:264 Resp: 407612

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.9	28.3
265	22.9	17.3	25.9



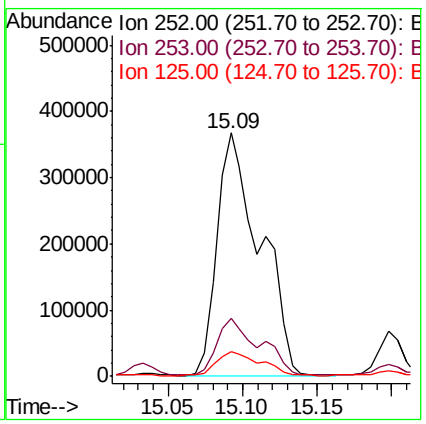


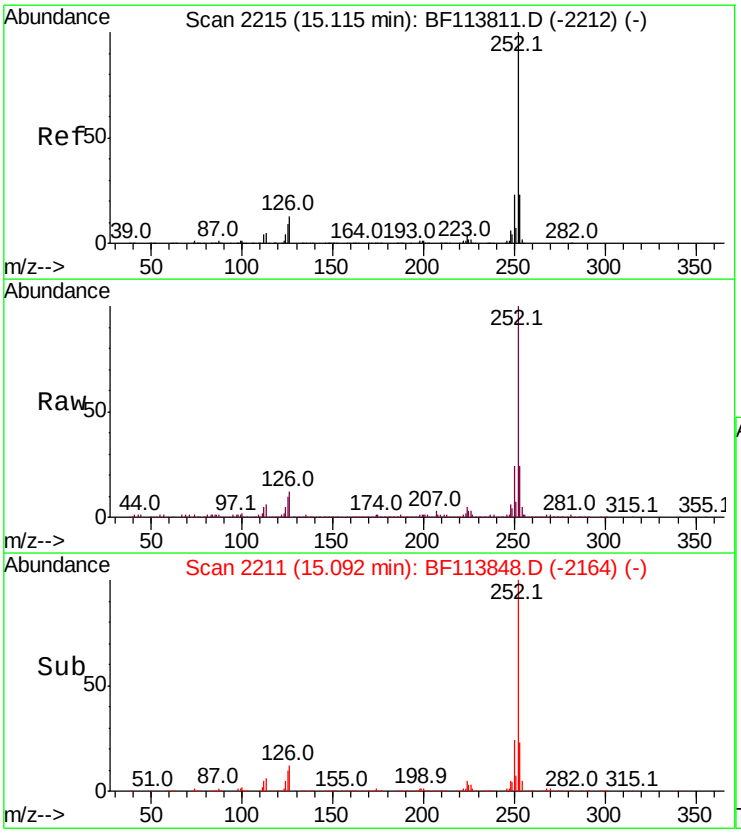
#88
Benzo(b)fluoranthene
Concen: 28.941 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 735401

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	10.1	7.0	10.6

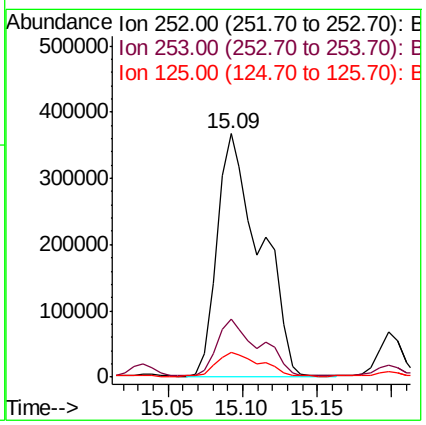


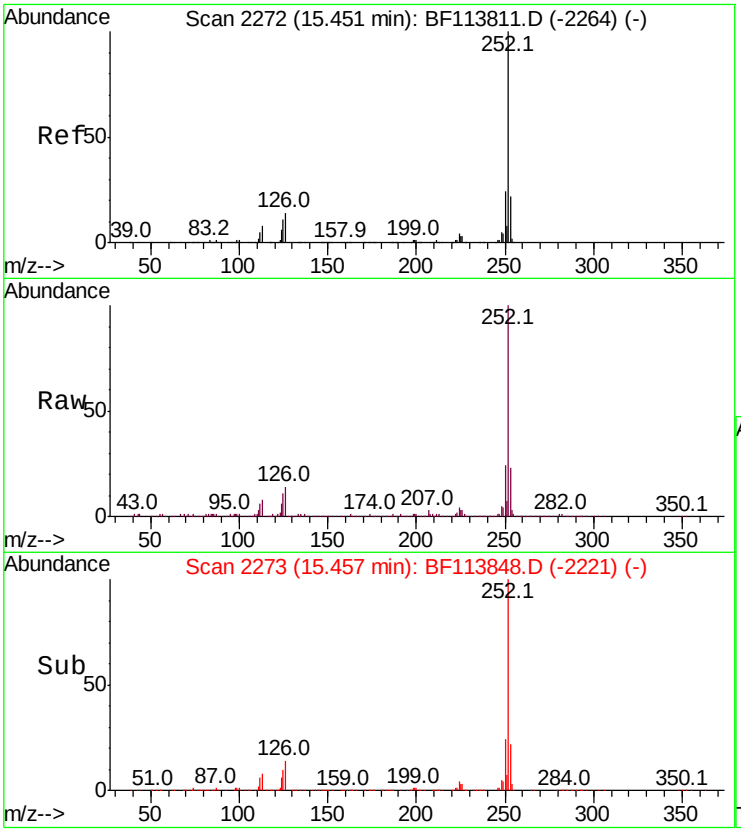


#89
Benzo(k)fluoranthene
Concen: 31.775 ng
RT: 15.09 min Scan# 2211
Delta R.T. -0.02 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:252 Resp: 735401

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	10.1	7.4	11.2



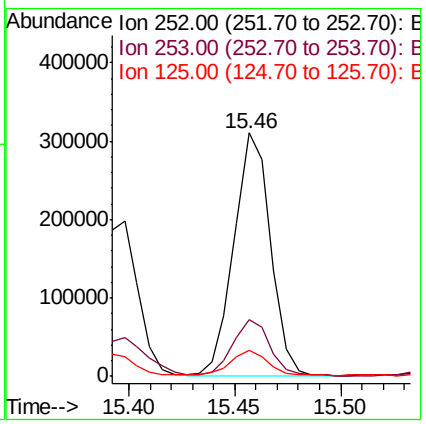


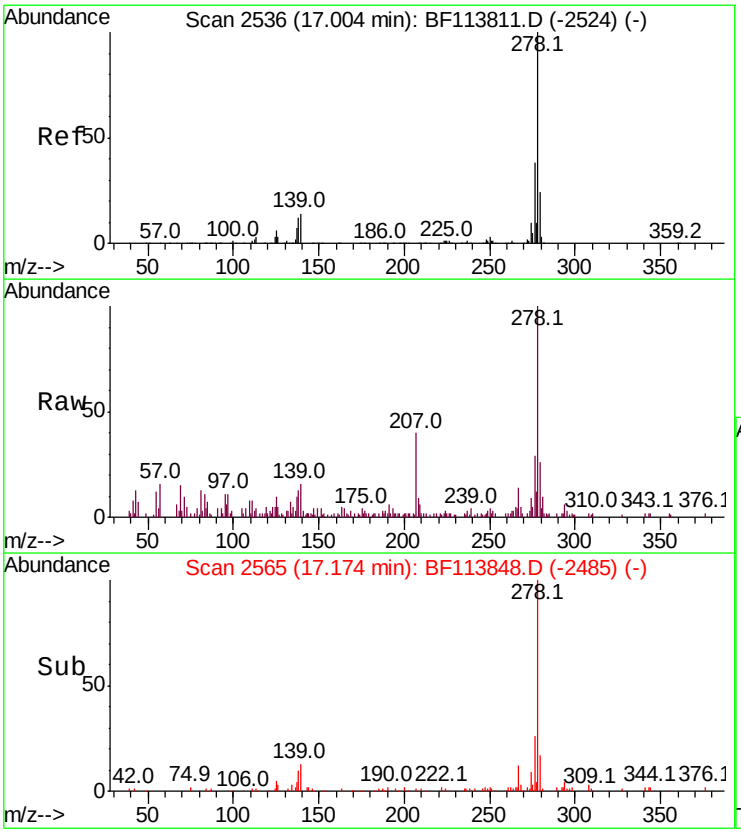
#90
Benzo(a)pyrene
Concen: 16.474 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 370154

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	10.8	8.5	12.7

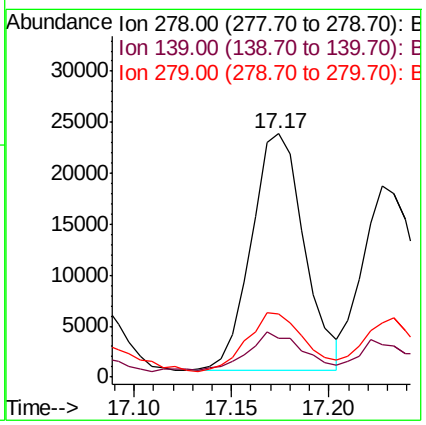


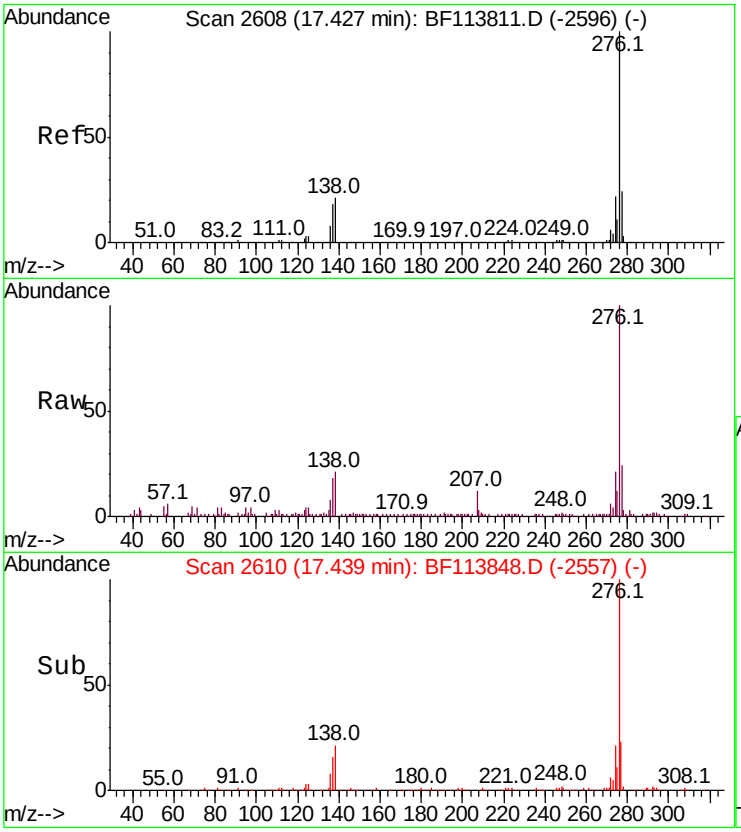


#91
Dibenzo(a,h)anthracene
Concen: 2.196 ng
RT: 17.17 min Scan# 2565
Delta R.T. 0.17 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Tgt Ion:278 Resp: 43911

Ion	Ratio	Lower	Upper
278	100		
139	16.1	11.6	17.4
279	26.0	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 7.467 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.01 min
Lab File: BF113848.D
Acq: 19 Apr 2019 8:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 151731

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	21.4	16.6	25.0