Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
Data File : BF118392.D
Acq On : 30 Dec 2019 20:28
Operator : JU
Sample : K6114-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Dec 31 00:41:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	151409	20.00	ng		0.00
21) Naphthalene-d8	8.14	136	592925	20.00	ng		0.00
39) Acenaphthene-d10	9.90	164	288163	20.00	ng		0.00
64) Phenanthrene-d10	11.40	188	438937	20.00	ng		0.00
76) Chrysene-d12	14.06	240	301276	20.00	ng		0.01
87) Perylene-d12	15.56	264	297077	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	397266	44.79	ng		0.00
7) Phenol-d6	6.49	99	511955	46.53	ng		0.00
23) Nitrobenzene-d5	7.42	82	304549	29.38	ng		0.00
42) 2,4,6-Tribromophenol	10.70	330	138018	38.78	ng		0.00
45) 2-Fluorobiphenyl	9.22	172	625119	33.11	ng		0.00
79) Terphenyl-d14	12.99	244	520107	28.64	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	41040	6.054	ng	#	78
25) Isophorone	7.42	82	300438	16.629	ng	#	62
31) Naphthalene	8.16	128	471640	15.650	ng		99
32) Benzoic acid	7.95	122	3509	6.165	ng	#	46
33) 4-Chloroaniline	8.16	127	62816	4.862	ng	#	36
37) 2-Methylnaphthalene	8.86	142	330203	16.004	ng		99
38) 1-Methylnaphthalene	8.96	142	325098	16.724	ng		100
46) 1,1'-Biphenyl	9.32	154	85350	3.745	ng		96
49) Acenaphthylene	9.76	152	359993	13.232	ng		98
52) Acenaphthene	9.93	154	322138	19.440	ng		99
54) 2,4-Dinitrophenol	9.94	184	770	5.491	ng	#	1
55) Dibenzofuran	10.11	168	468182	19.121	ng		98
58) Fluorene	10.46	166	922454	46.668	ng		98
62) 4-Nitroaniline	10.46	138	13750	2.418	ng	#	25
71) Phenanthrene	11.44	178	4582831	191.521	ng		96
72) Anthracene	11.48	178	1284866	53.645	ng		100
73) Carbazole	11.63	167	486250	22.879	ng		99
75) Fluoranthene	12.64	202	3760648	155.726	ng		94
78) Pyrene	12.87	202	3447203	140.116	ng		96
81) Benzo(a)anthracene	14.05	228	1770589	83.960	ng		97
83) Chrysene	14.09	228	1488856	73.733	ng		96
86) Indeno(1,2,3-cd)pyrene	17.08	276	538083	31.274	ng		95
88) Benzo(b)fluoranthene	15.12	252	2247857	113.989	ng	#	95
89) Benzo(k)fluoranthene	15.12	252	2247857	118.717	ng	#	96
90) Benzo(a)pyrene	15.50	252	1219602	70.206	ng		96
91) Dibenzo(a,h)anthracene	16.87	278	98230	6.516	ng		93
92) Benzo(g,h,i)perylene	17.54	276	472003	32.413	ng		97

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
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Acq On : 30 Dec 2019 20:28
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Sample : K6114-01 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Dec 31 00:41:01 2019
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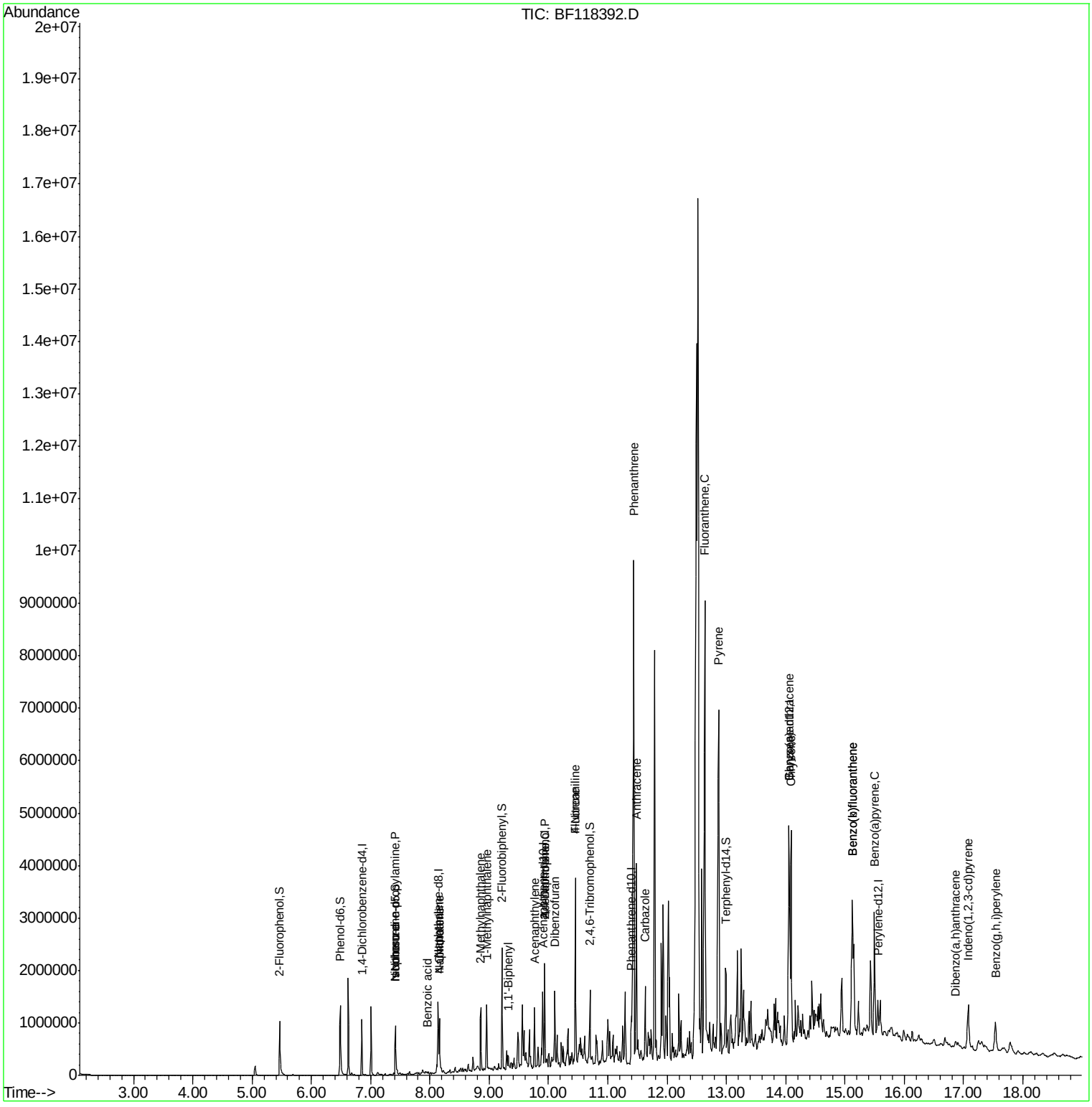
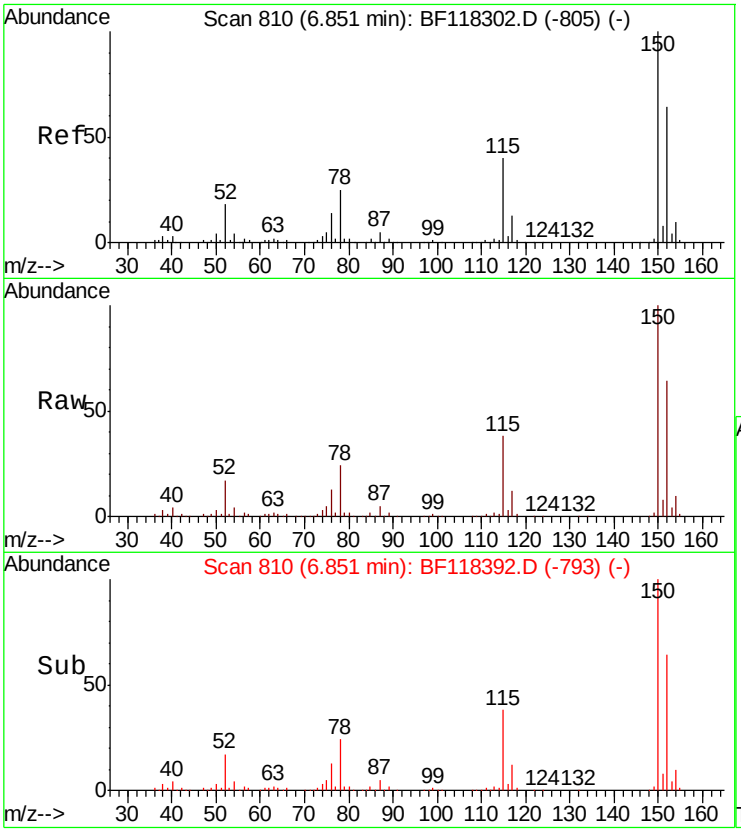
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 24 15:58:52 2019
Response via : Initial Calibration



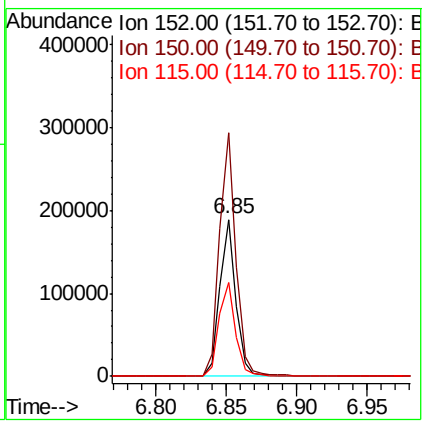


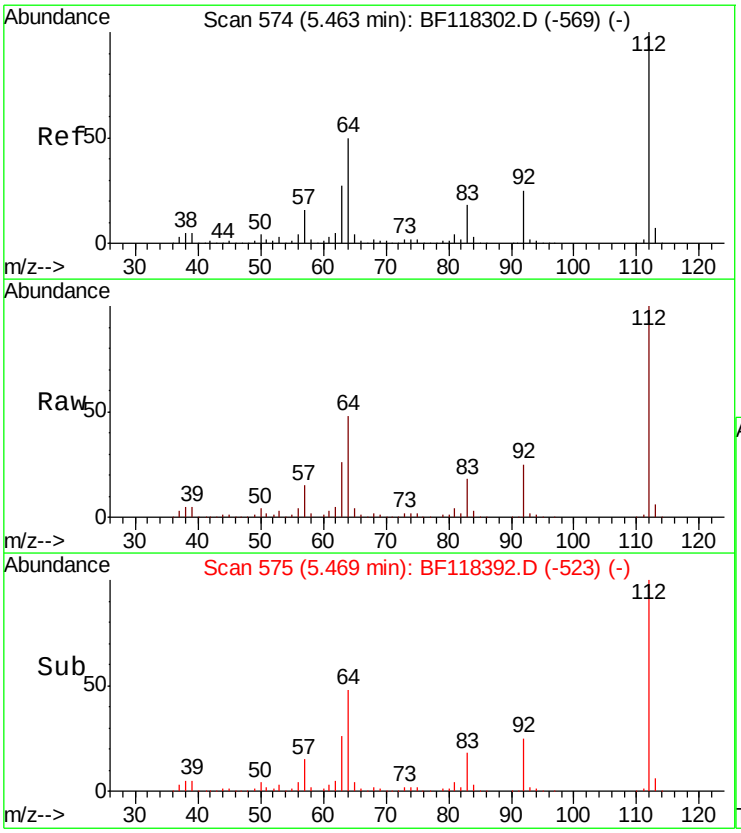
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 151409

Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.4	188.2
115	59.7	50.2	75.4

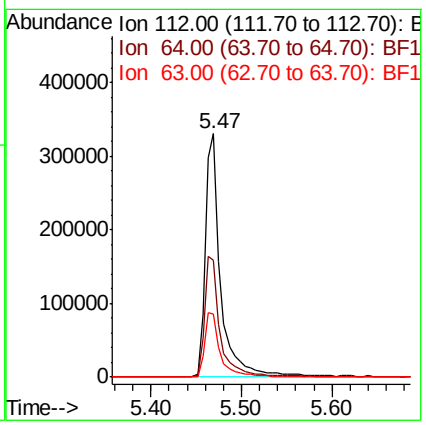


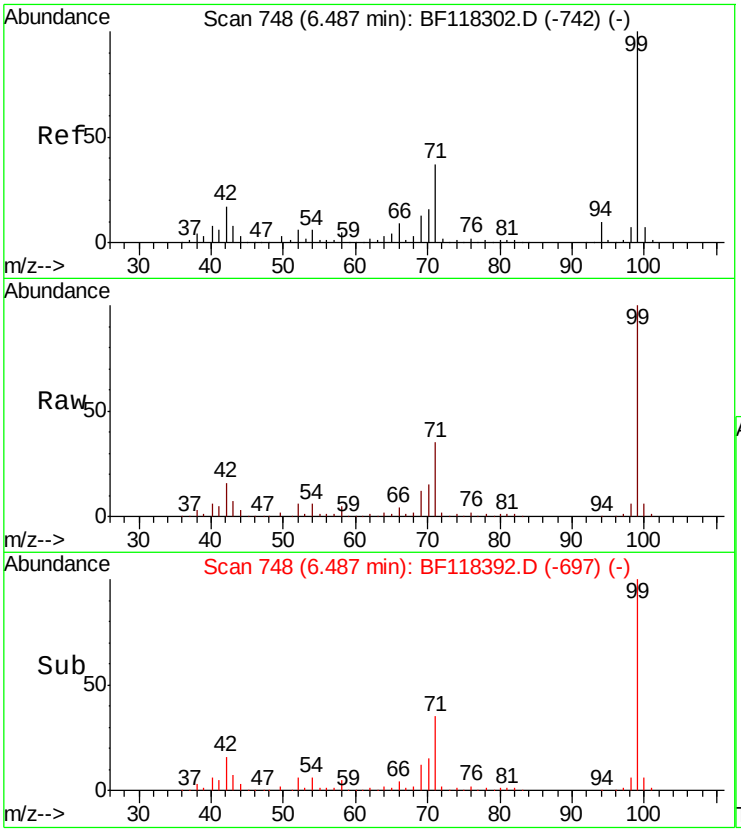


#5
2-Fluorophenol
Concen: 44.788 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:112 Resp: 397266

Ion	Ratio	Lower	Upper
112	100		
64	48.2	39.7	59.5
63	25.7	21.7	32.5



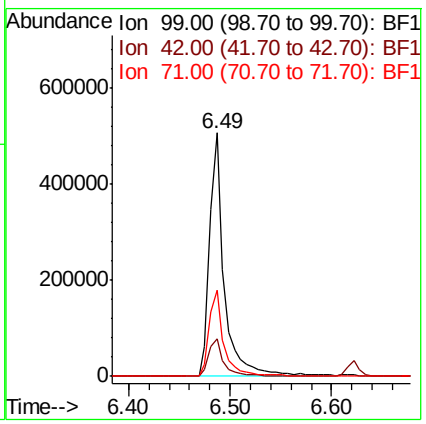


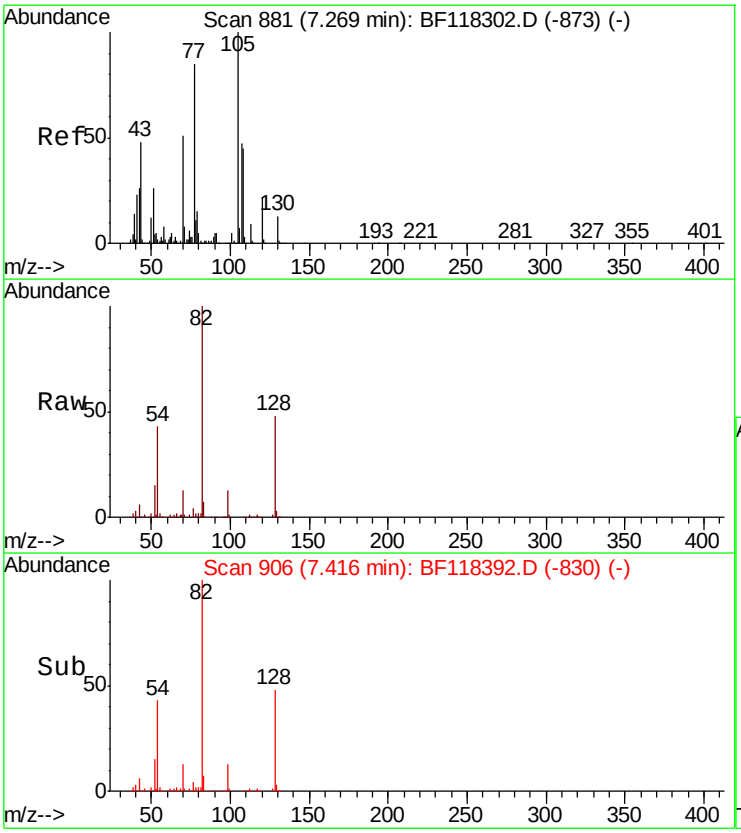
#7
Phenol-d6
Concen: 46.527 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 511955

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.5	20.3
71	35.4	29.4	44.2

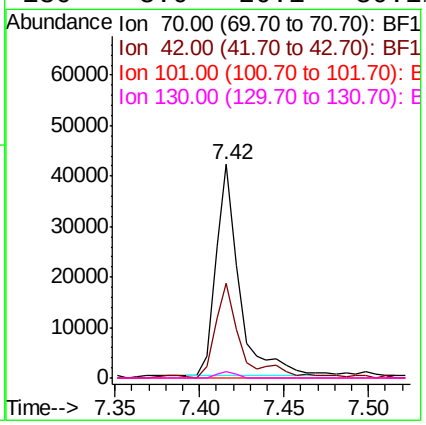


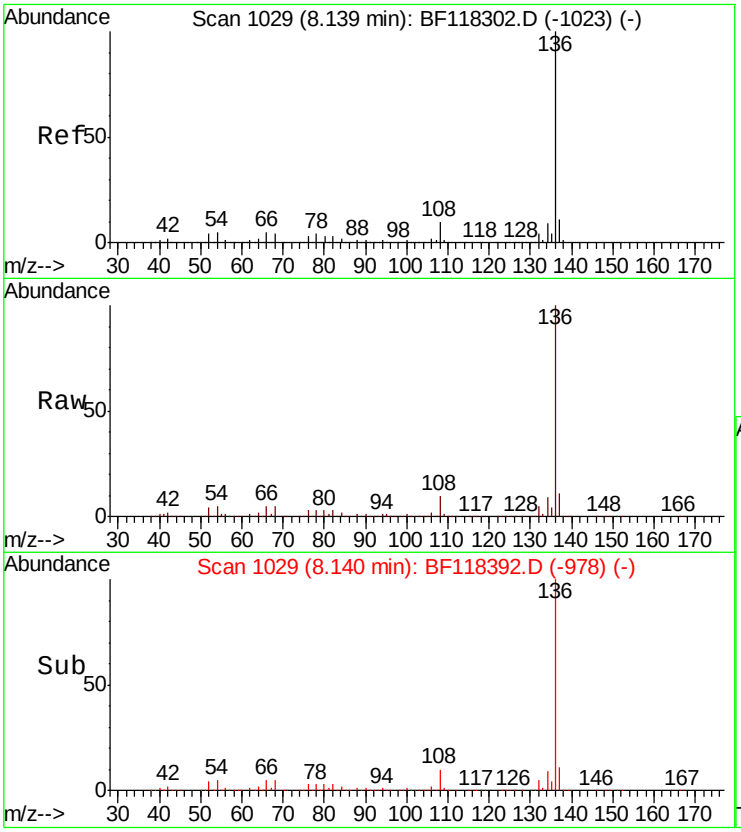


#19
n-Nitroso-di-n-propylamine
Concen: 6.054 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion: 70 Resp: 41040

Ion	Ratio	Lower	Upper
70	100		
42	44.2	41.1	61.7
101	0.0	8.3	12.5#
130	3.0	20.1	30.1#



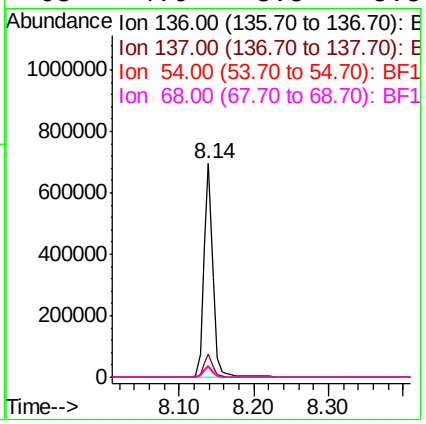


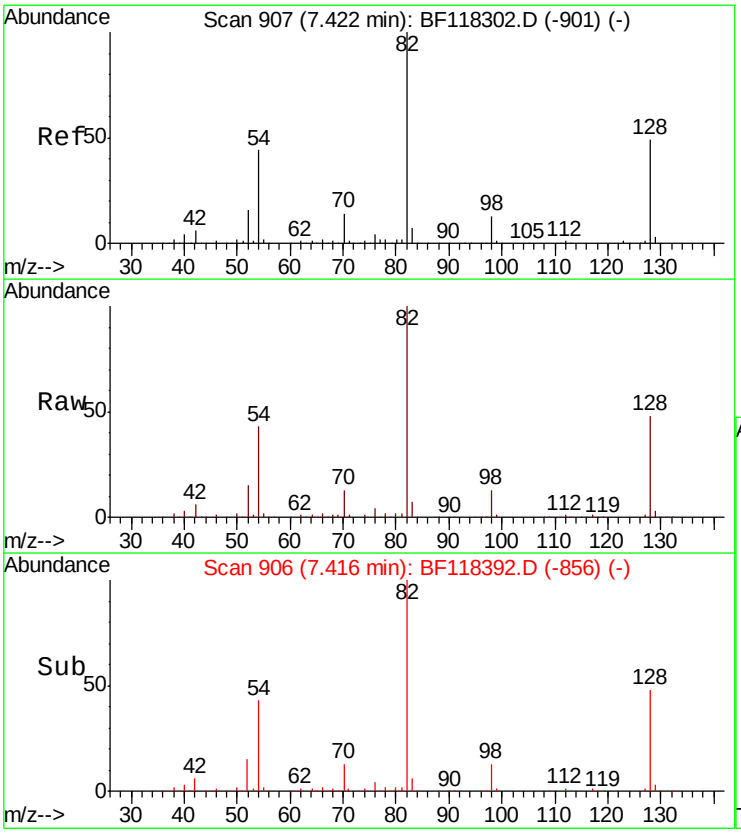
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 592925

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	5.3	4.2	6.4
68	4.6	3.5	5.3

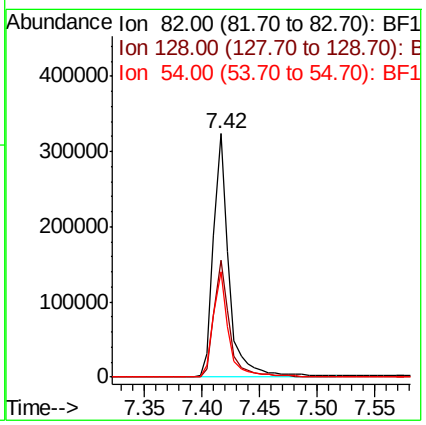


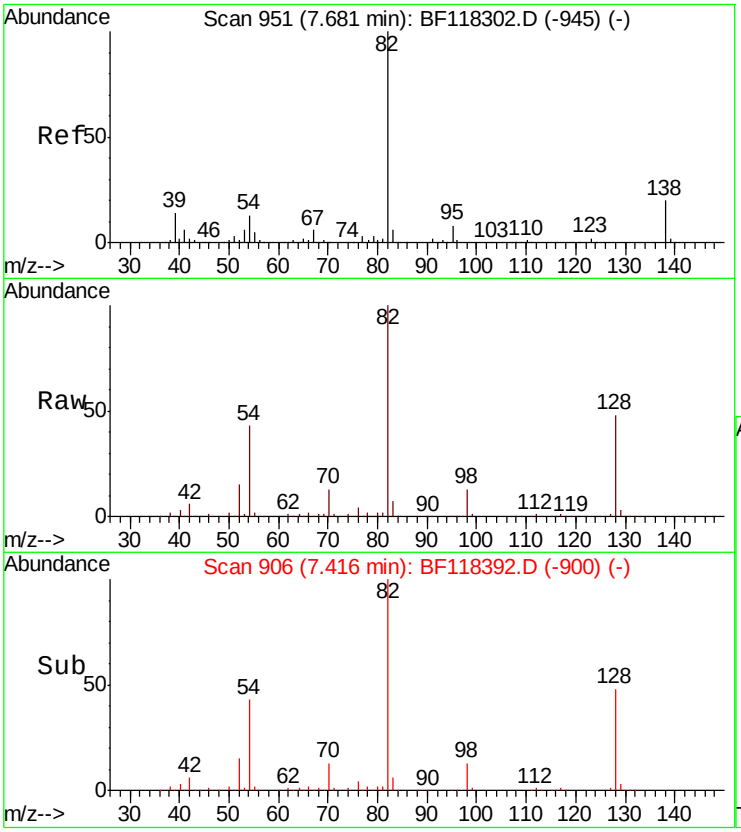


#23
Nitrobenzene-d5
Concen: 29.378 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion: 82 Resp: 304549

Ion	Ratio	Lower	Upper
82	100		
128	48.2	39.6	59.4
54	43.4	34.9	52.3



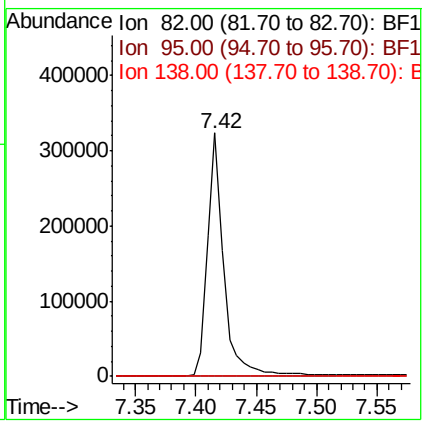


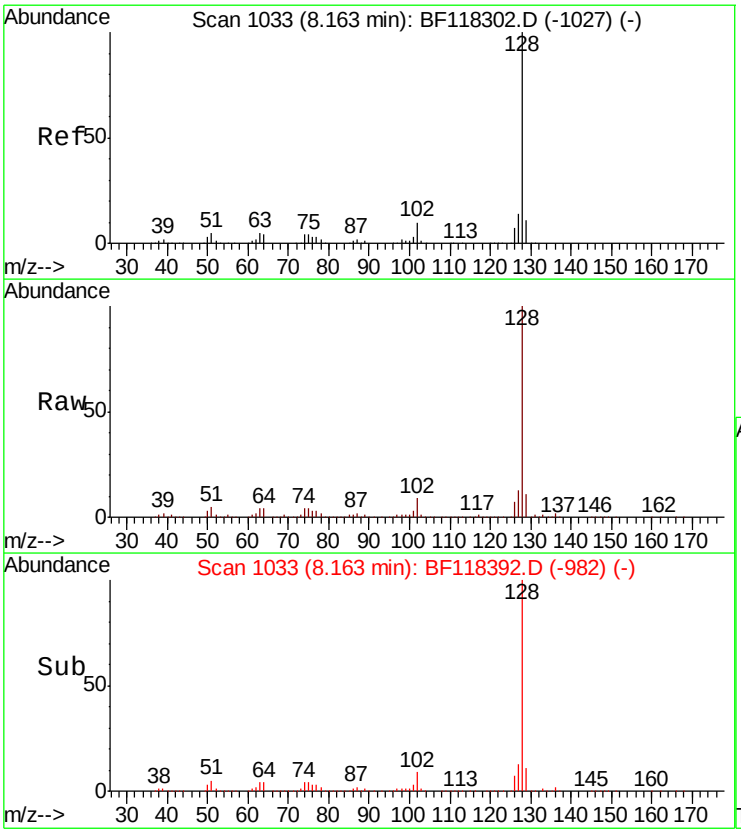
#25
Isophorone
Concen: 16.629 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.26 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 300438

Ion	Ratio	Lower	Upper
82	100		
95	0.1	6.3	9.5#
138	0.0	16.2	24.2#

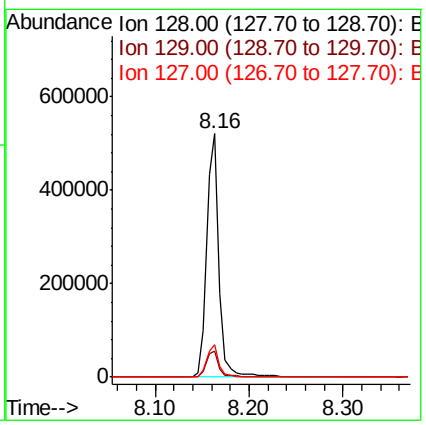


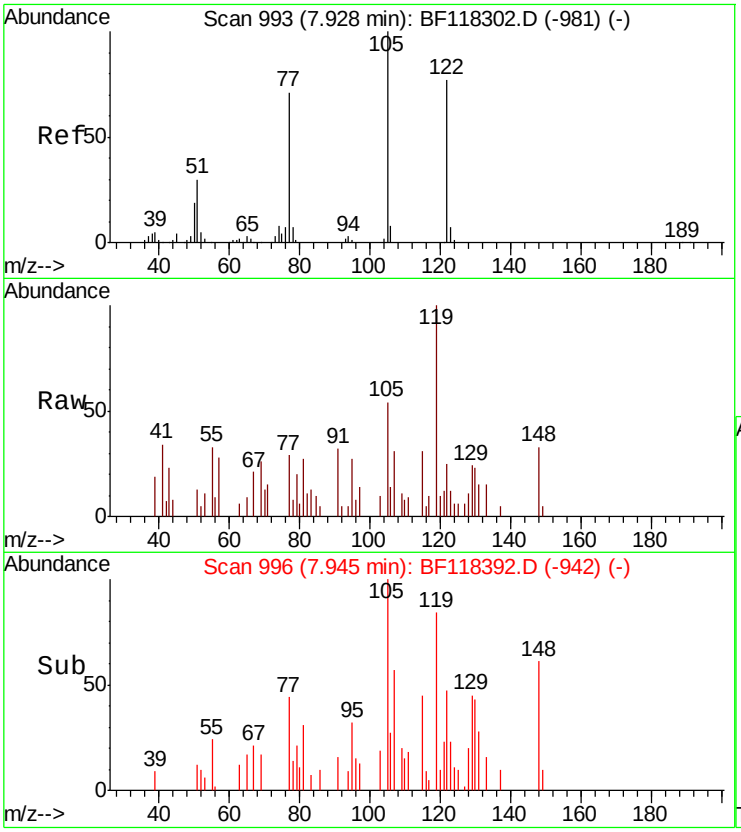


#31
Naphthalene
Concen: 15.650 ng
RT: 8.16 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:128 Resp: 471640

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	13.3	11.0	16.4



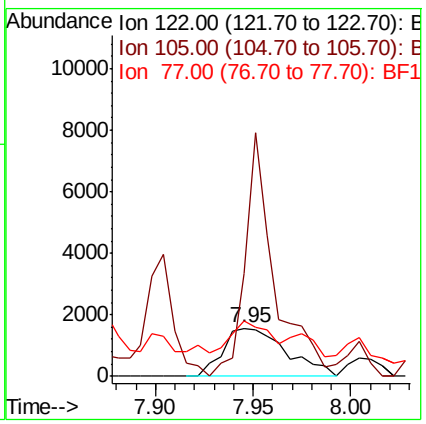


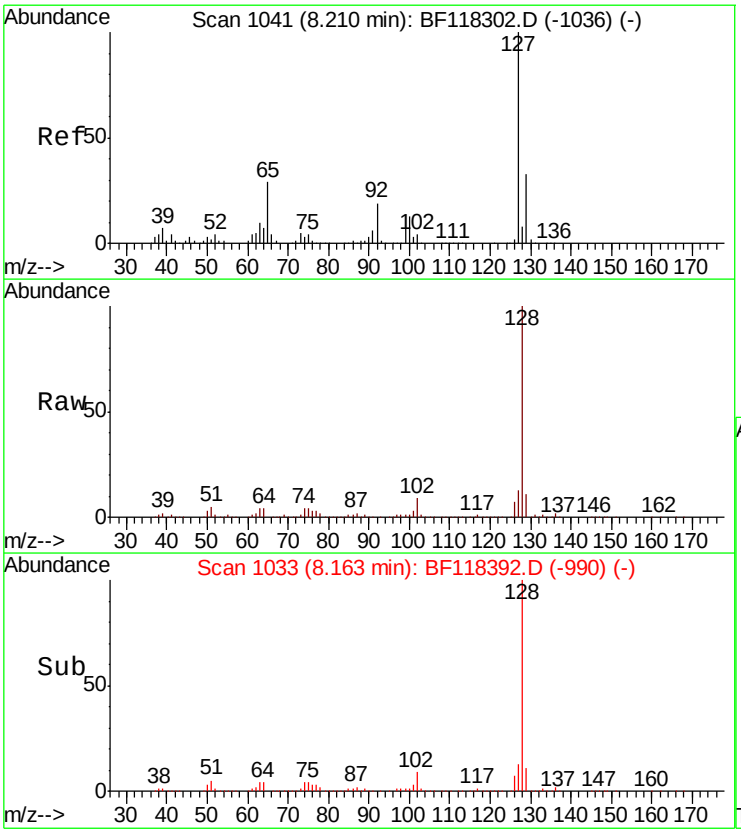
#32
Benzoic acid
Concen: 6.165 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 3509

Ion	Ratio	Lower	Upper
122	100		
105	212.0	106.8	146.8#
77	115.2	70.4	110.4#

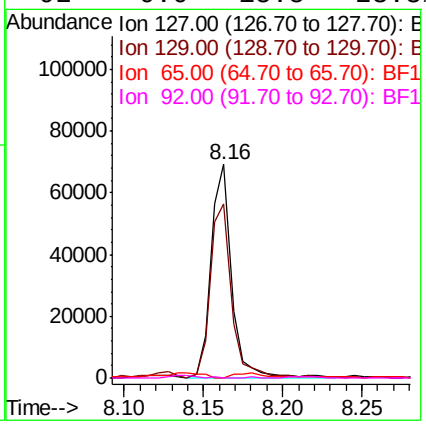


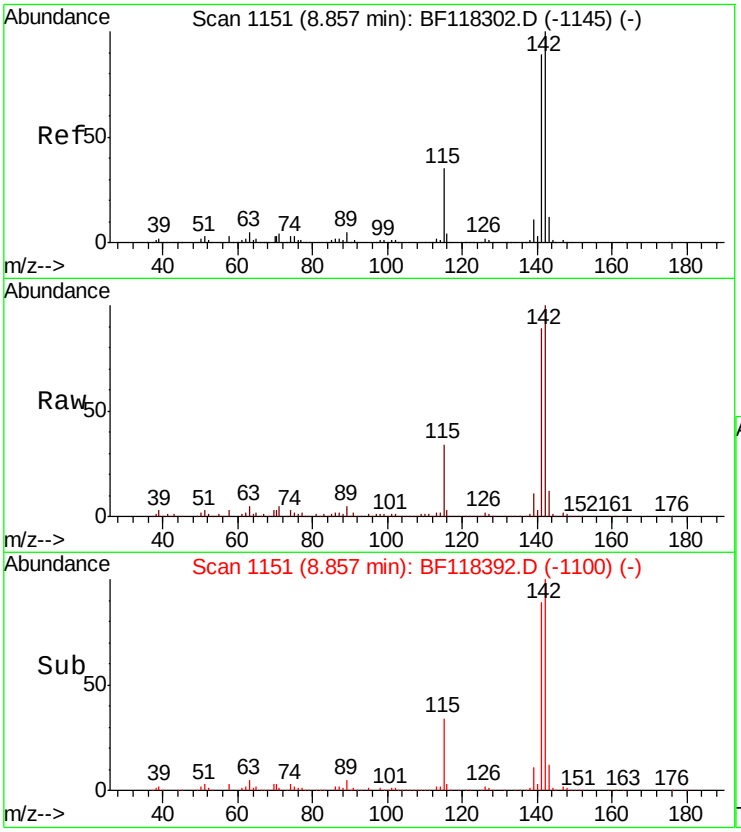


#33
4-Chloroaniline
Concen: 4.862 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.05 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:127 Resp: 62816

Ion	Ratio	Lower	Upper
127	100		
129	81.4	26.5	39.7#
65	0.0	22.8	34.2#
92	0.0	15.5	23.3#



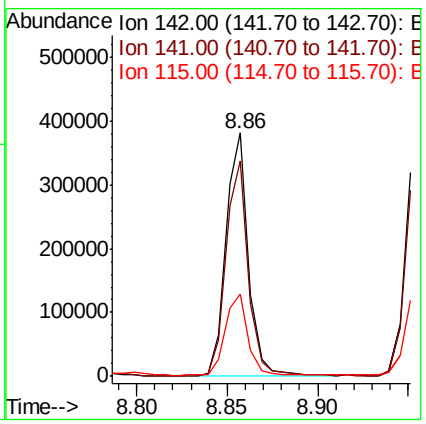


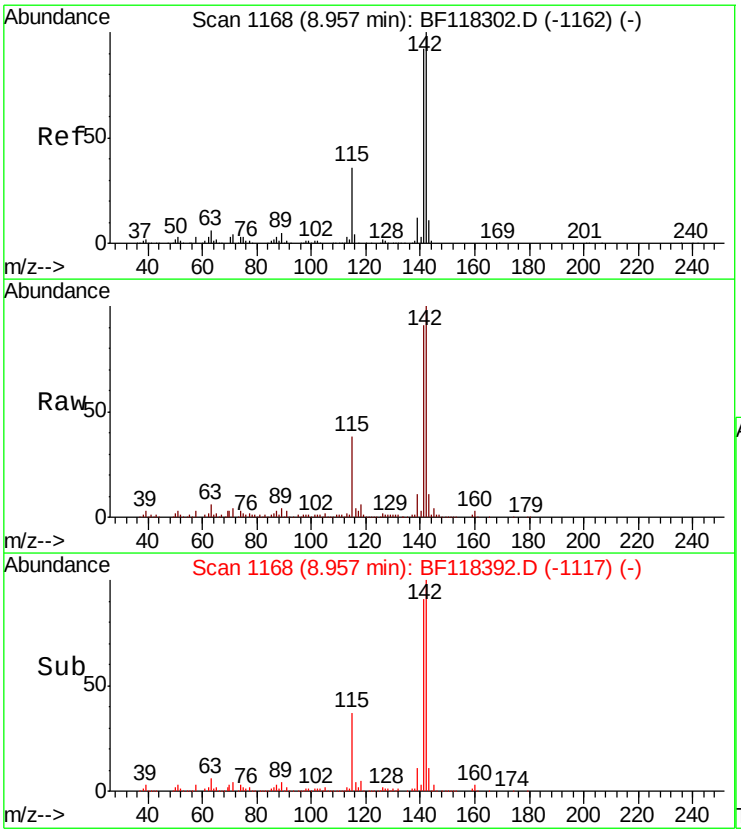
#37
2-Methylnaphthalene
Concen: 16.004 ng
RT: 8.86 min Scan# 1151
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:142 Resp: 330203

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8
115	33.8	28.0	42.0

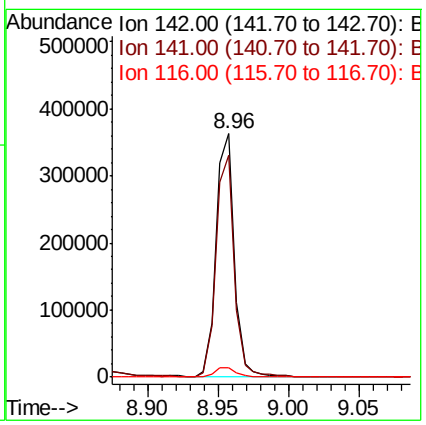


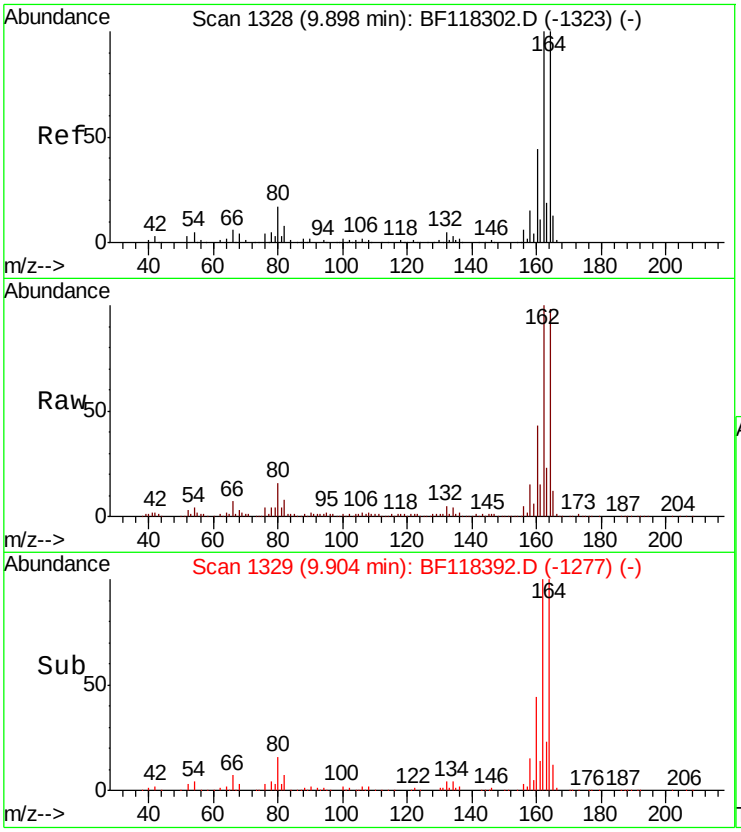


#38
1-Methylnaphthalene
Concen: 16.724 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:142 Resp: 325098

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.4	110.2
116	4.0	2.9	4.3



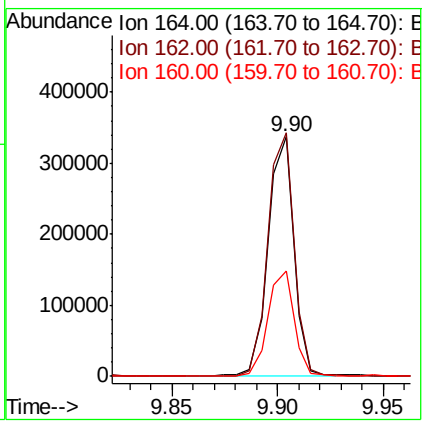


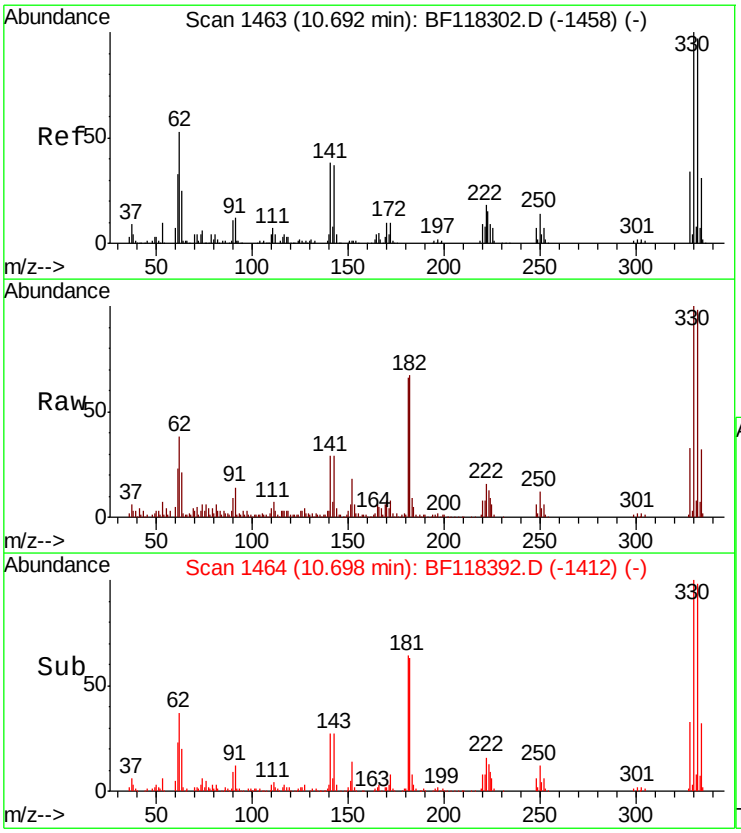
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 288163

Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.0	120.0
160	43.9	34.8	52.2

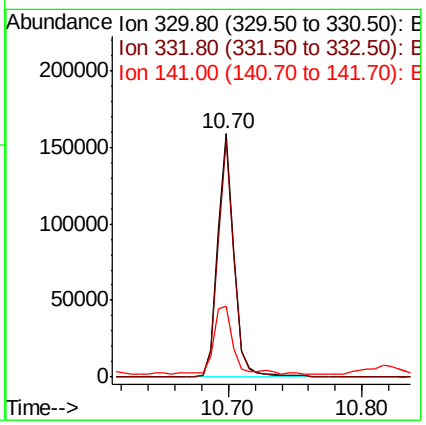


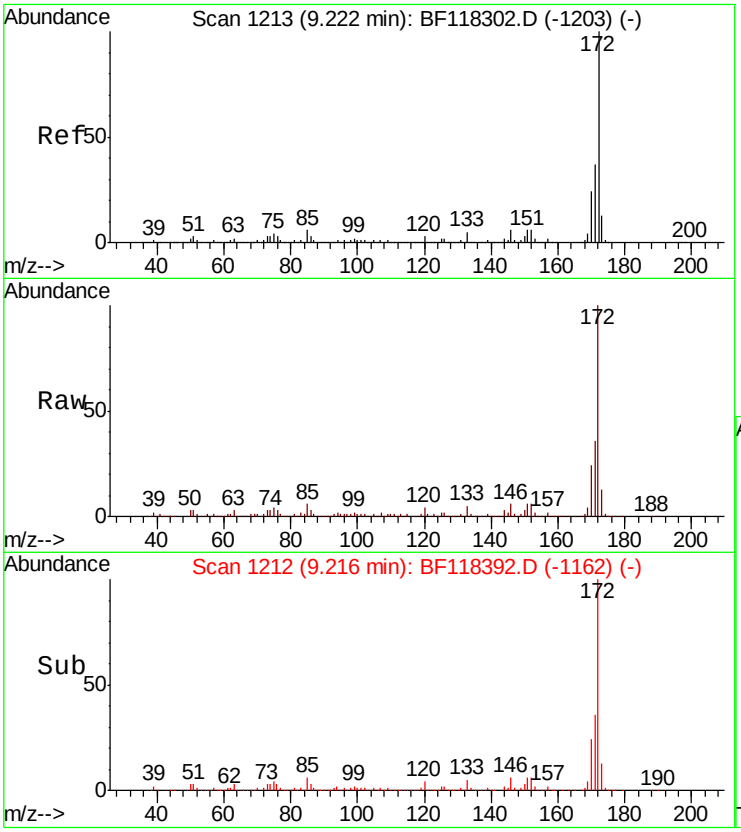


#42
2,4,6-Tribromophenol
Concen: 38.784 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:330 Resp: 138018

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	114.8
141	35.3	26.0	39.0



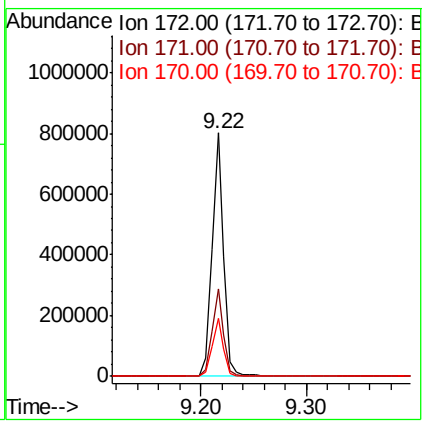


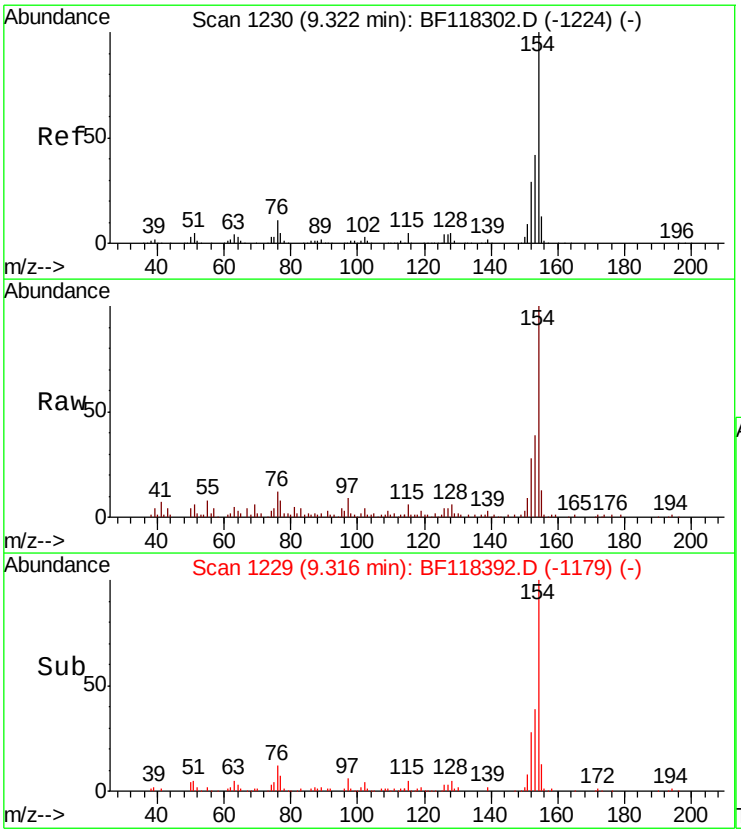
#45
2-Fluorobiphenyl
Concen: 33.114 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 625119

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.3	43.9
170	23.7	19.2	28.8

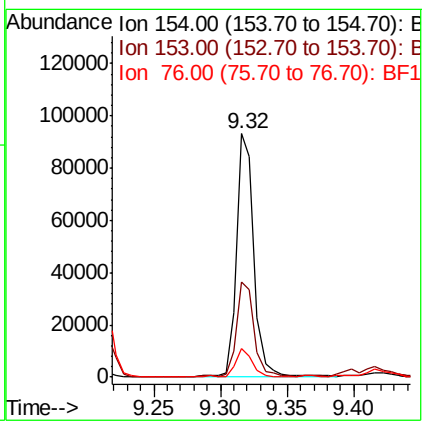


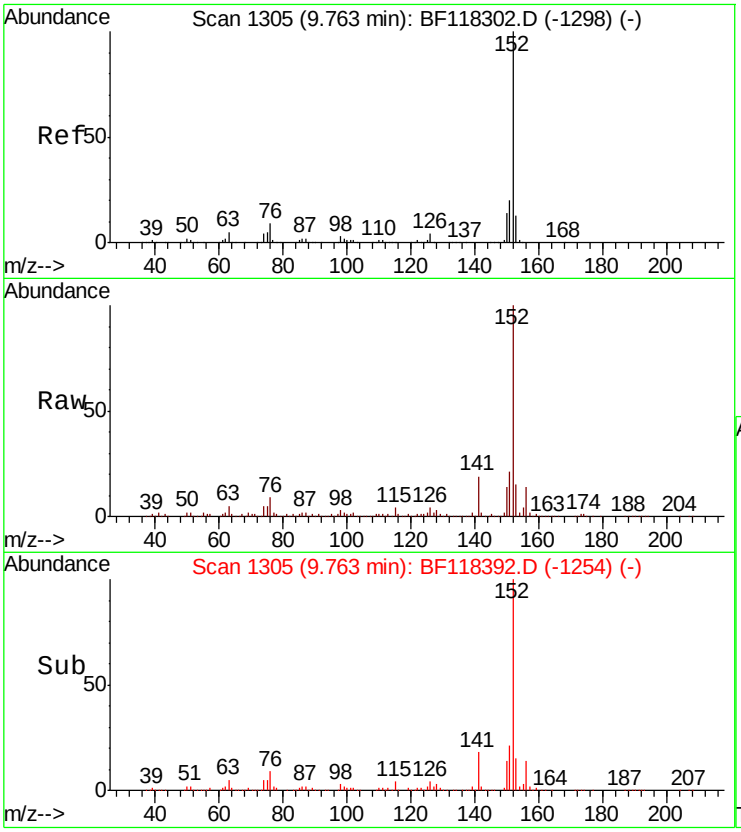


#46
1,1'-Biphenyl
Concen: 3.745 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:154 Resp: 85350

Ion	Ratio	Lower	Upper
154	100		
153	39.1	21.8	61.8
76	11.7	0.0	30.9



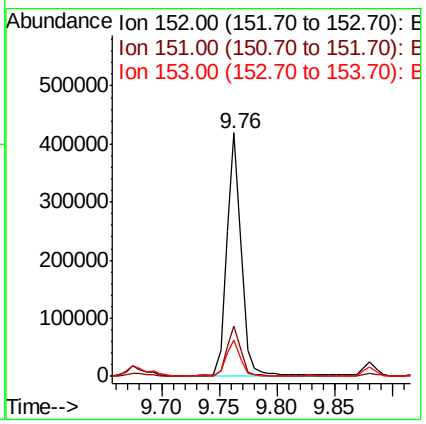


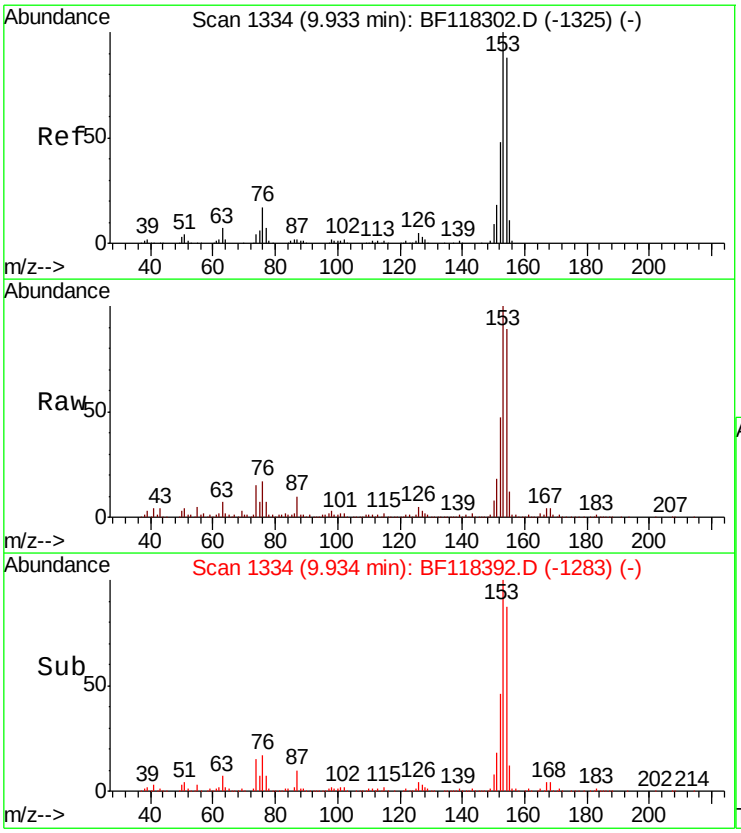
#49
Acenaphthylene
Concen: 13.232 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 359993

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.2
153	14.9	10.5	15.7

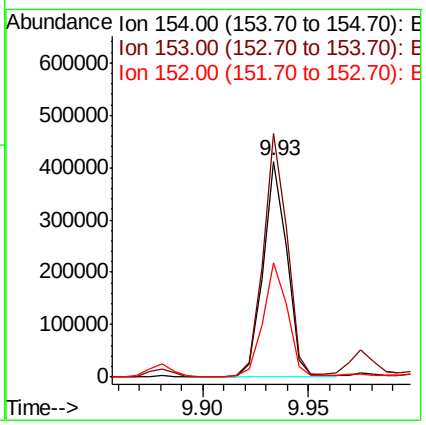


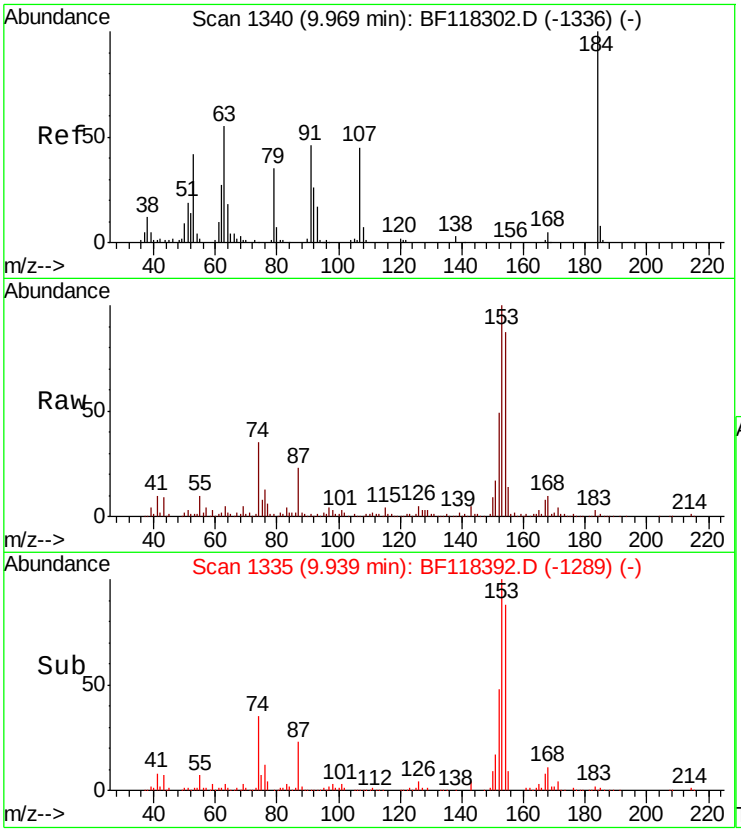


#52
Acenaphthene
Concen: 19.440 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:154 Resp: 322138

Ion	Ratio	Lower	Upper
154	100		
153	112.9	90.6	136.0
152	53.0	43.1	64.7



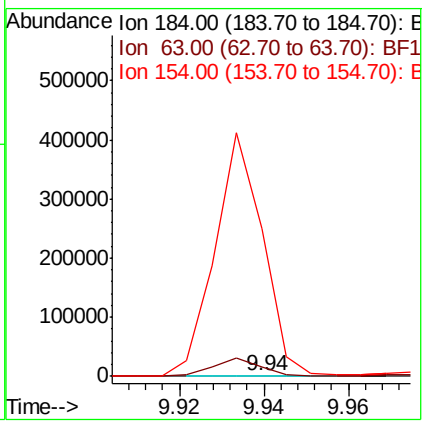


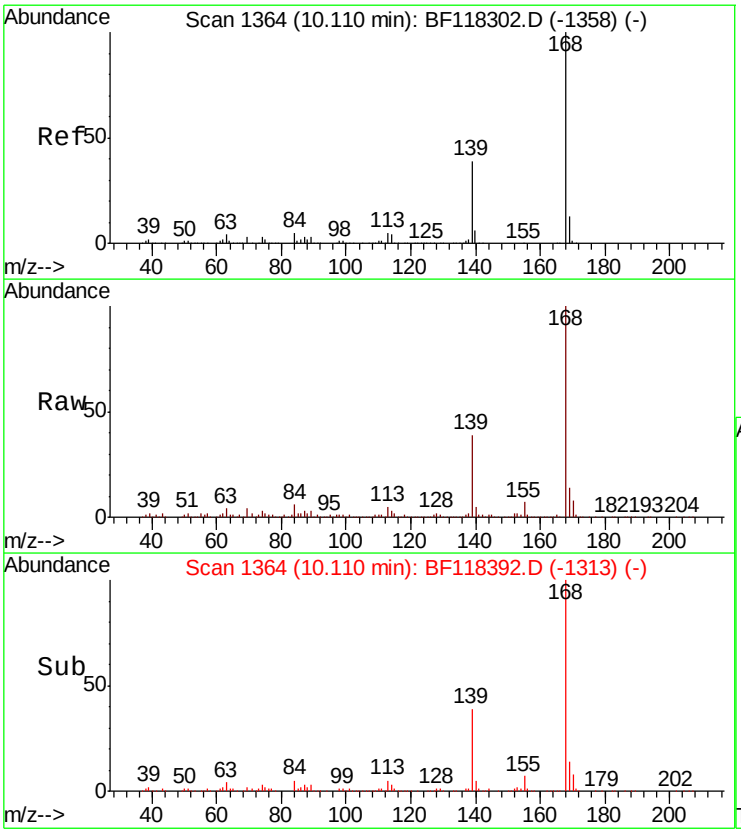
#54
2,4-Dinitrophenol
Concen: 5.491 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.03 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 770

Ion	Ratio	Lower	Upper
184	100		
63	1224.3	48.8	73.2#
154	20629.3	55.0	82.4#

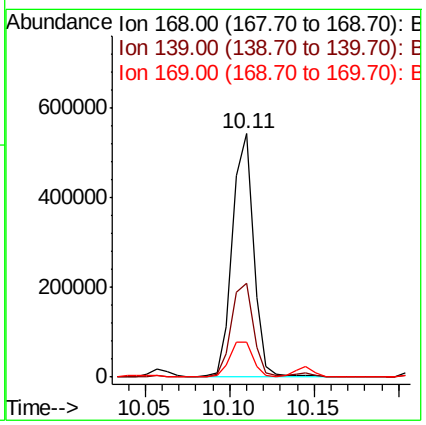


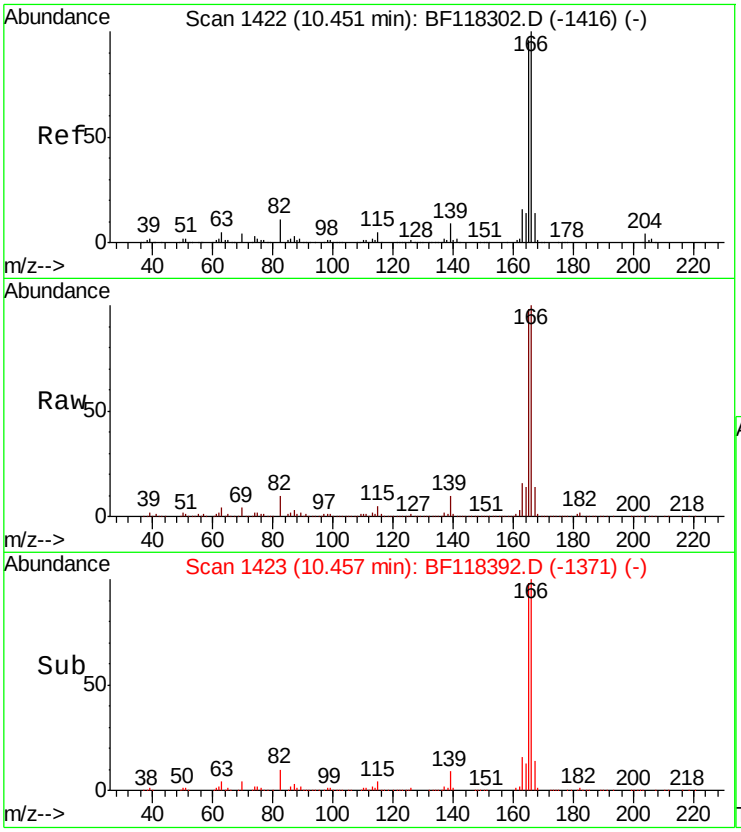


#55
Dibenzofuran
Concen: 19.121 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:168 Resp: 468182

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.5	47.3
169	14.3	10.4	15.6



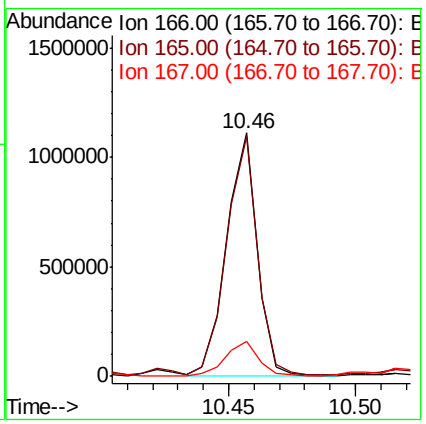


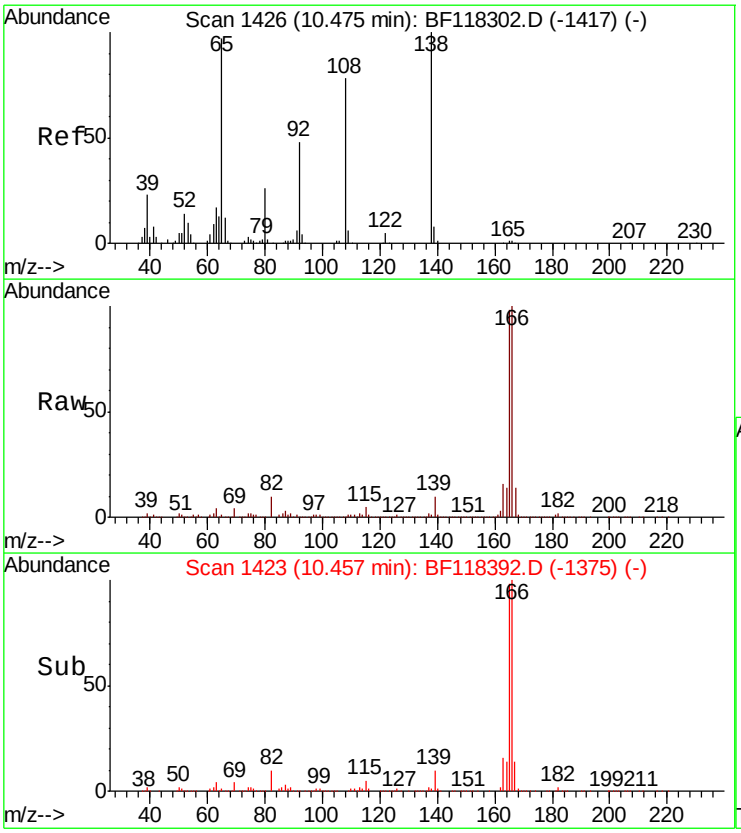
#58
Fluorene
Concen: 46.668 ng
RT: 10.46 min Scan# 1423
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 922454

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.0	115.4
167	14.4	10.9	16.3

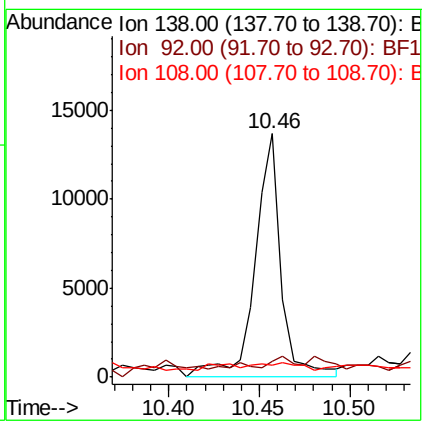


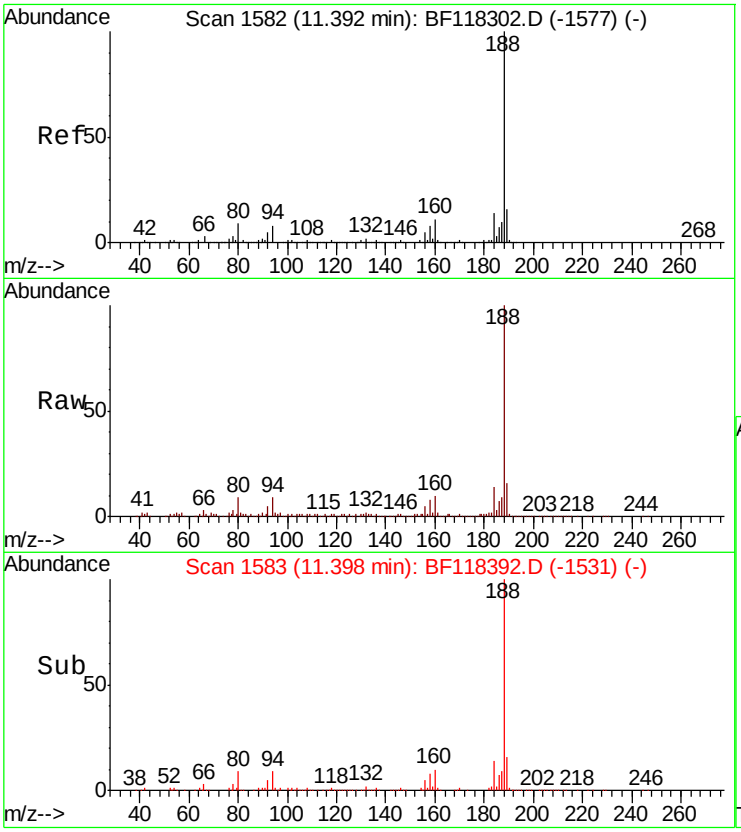


#62
4-Nitroaniline
Concen: 2.418 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:138 Resp: 13750

Ion	Ratio	Lower	Upper
138	100		
92	6.6	27.9	67.9#
108	5.0	58.1	98.1#



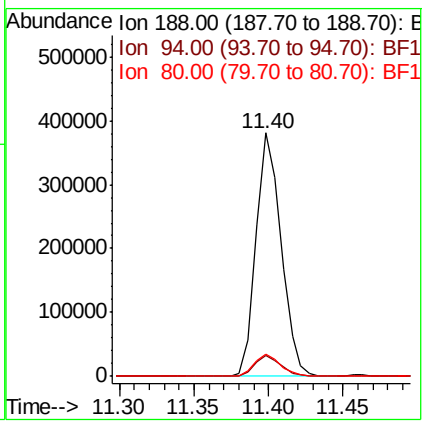


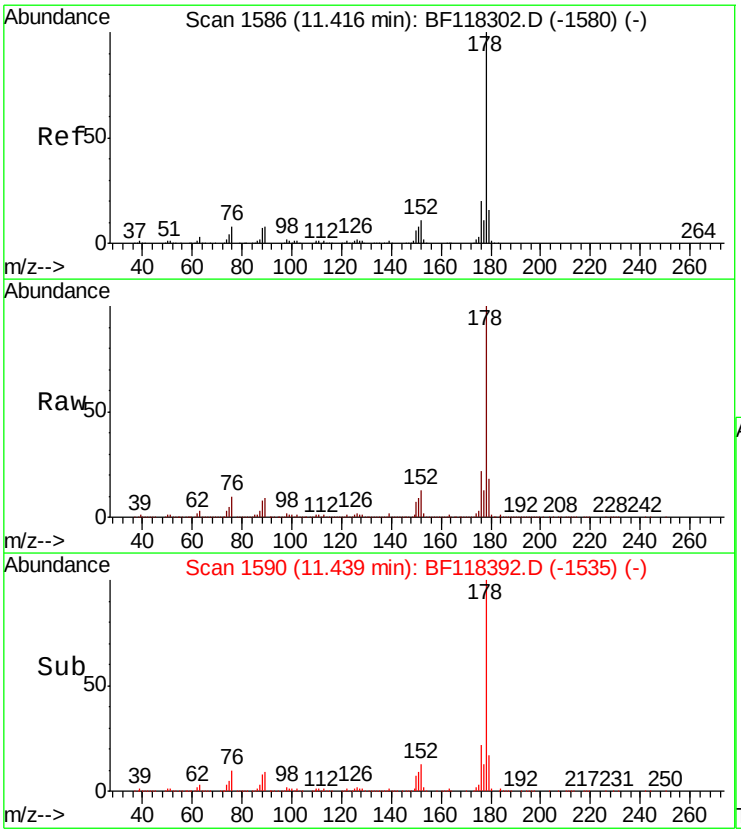
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 438937

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.7	10.1
80	9.0	7.2	10.8

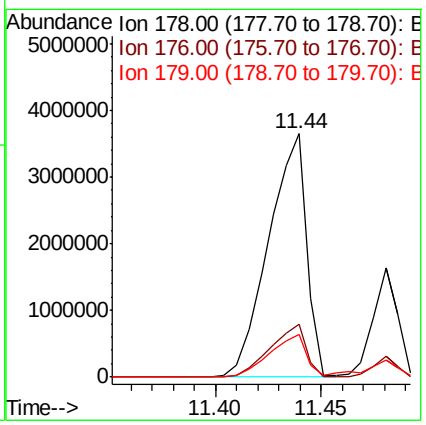


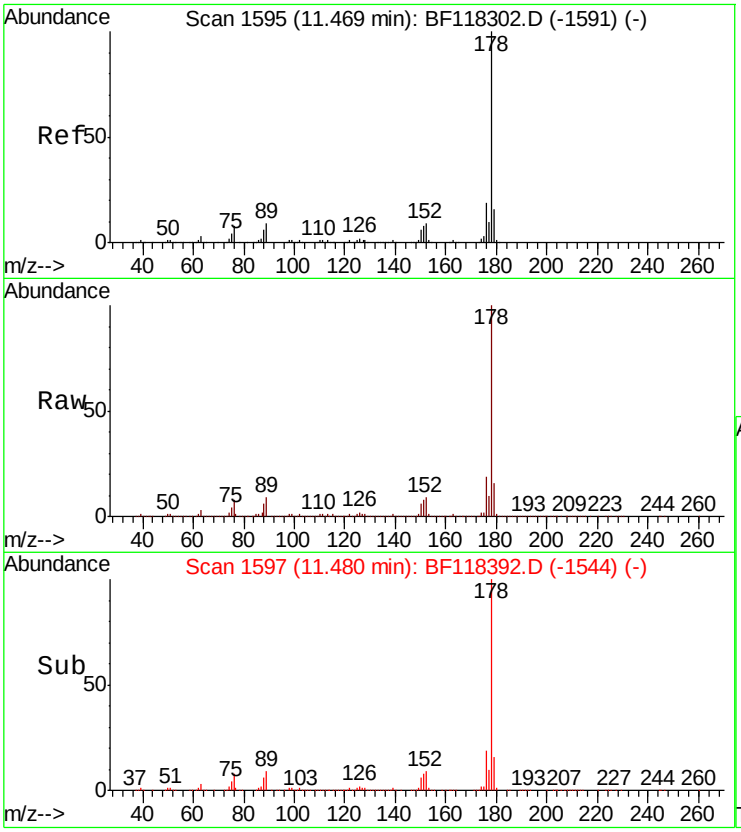


#71
Phenanthrene
Concen: 191.521 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:178 Resp: 4582831

Ion	Ratio	Lower	Upper
178	100		
176	21.5	15.6	23.4
179	17.7	12.6	19.0



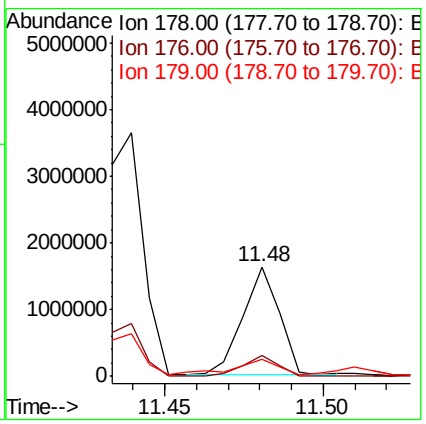


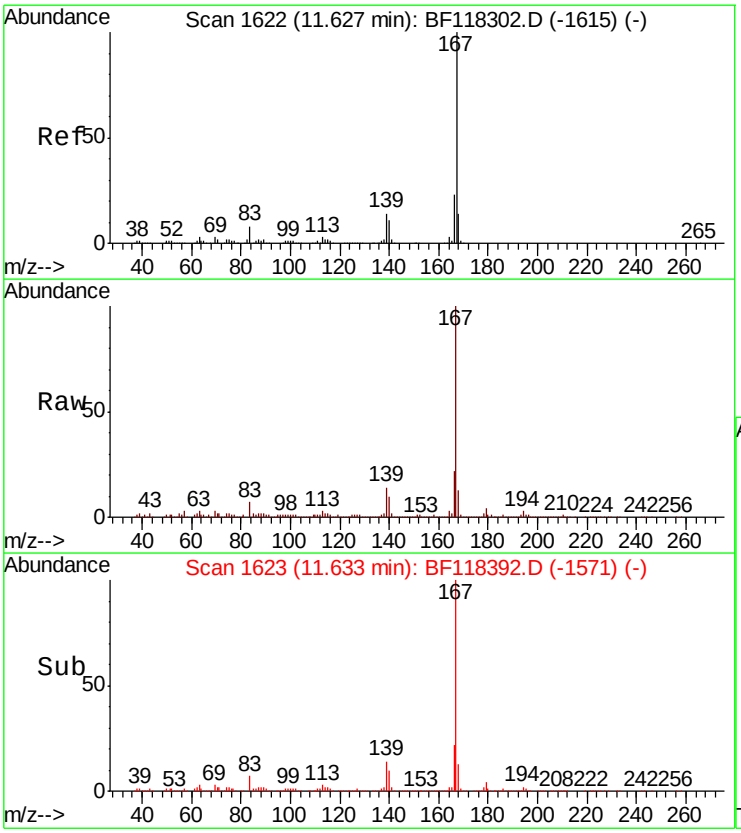
#72
Anthracene
Concen: 53.645 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 1284866

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	16.1	12.9	19.3

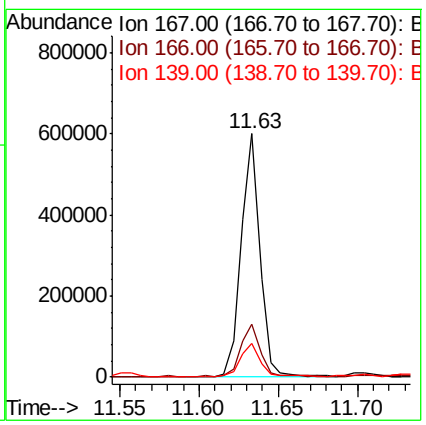


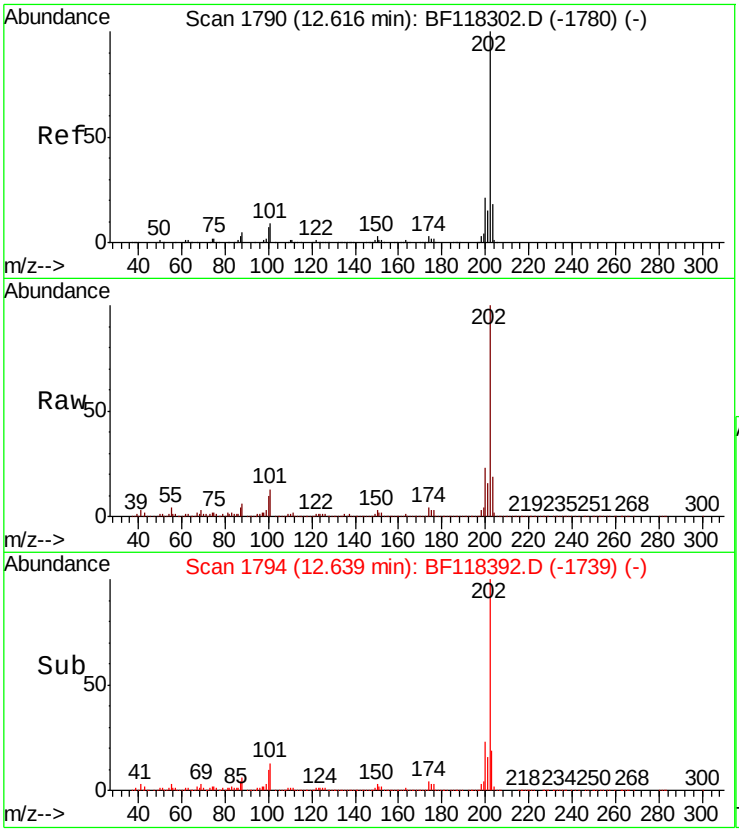


#73
Carbazole
Concen: 22.879 ng
RT: 11.63 min Scan# 1623
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:167 Resp: 486250

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.1	27.1
139	14.0	11.5	17.3



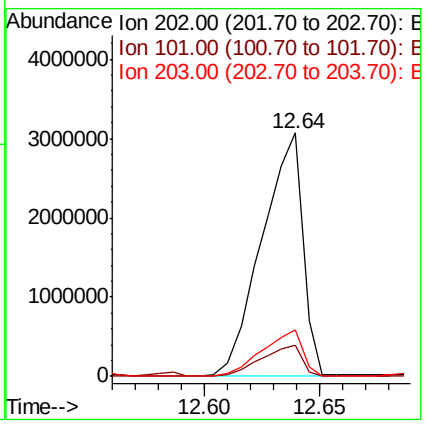


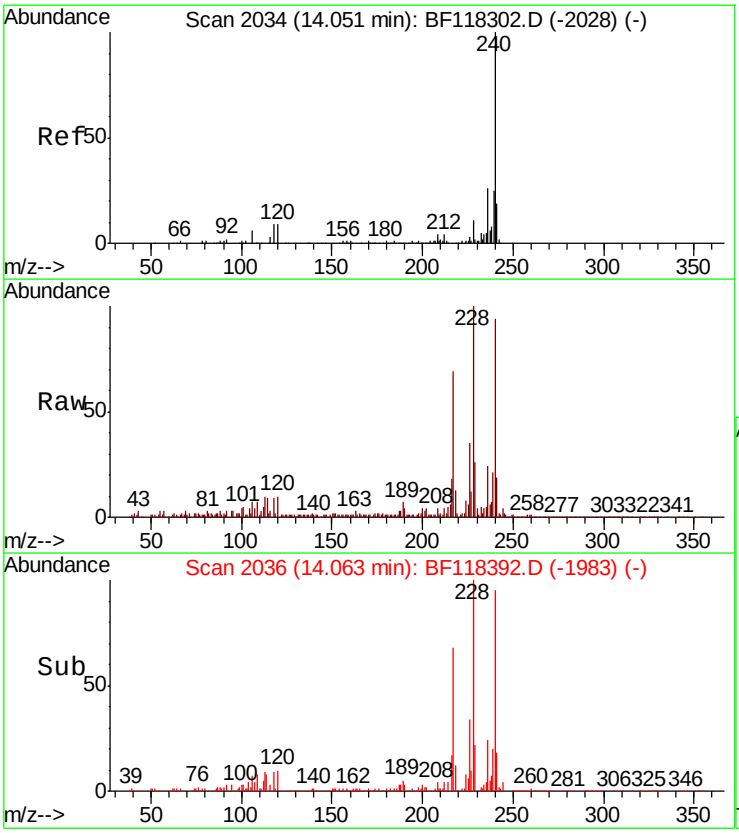
#75
Fluoranthene
Concen: 155.726 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 3760648

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	29.5
203	19.3	0.0	37.6

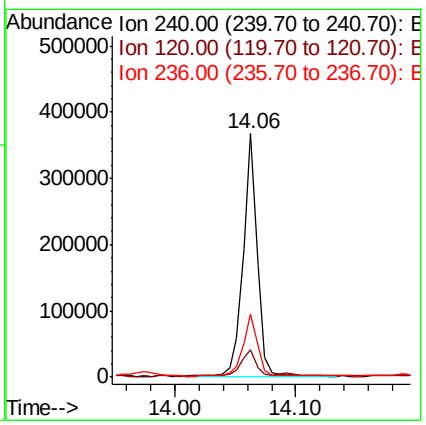


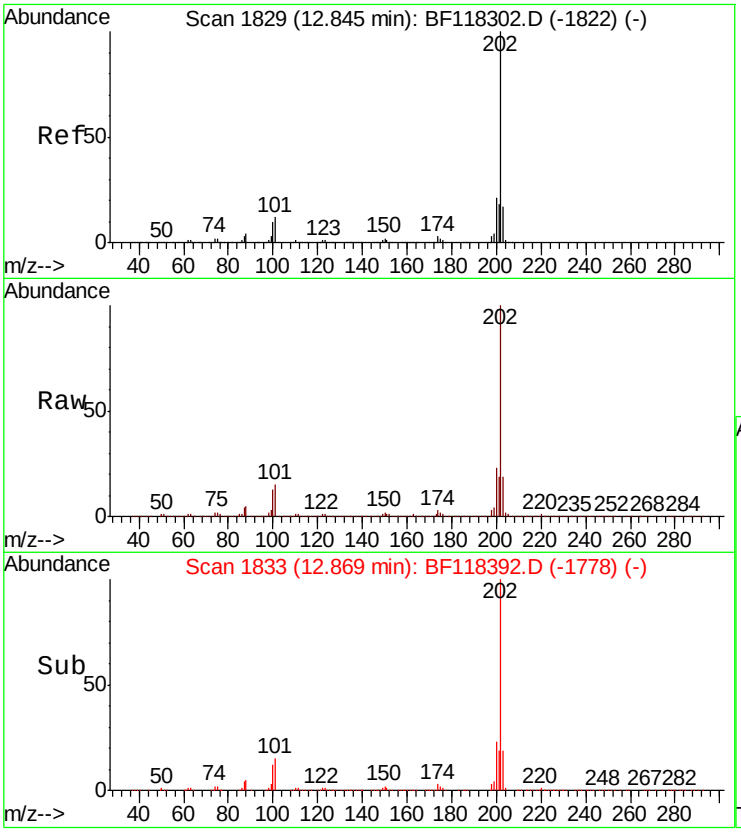


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:240 Resp: 301276

Ion	Ratio	Lower	Upper
240	100		
120	11.0	7.1	10.7#
236	26.1	21.0	31.6



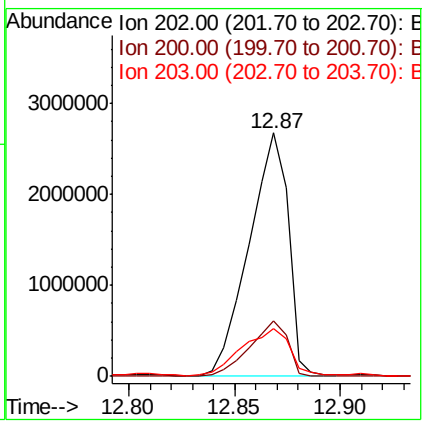


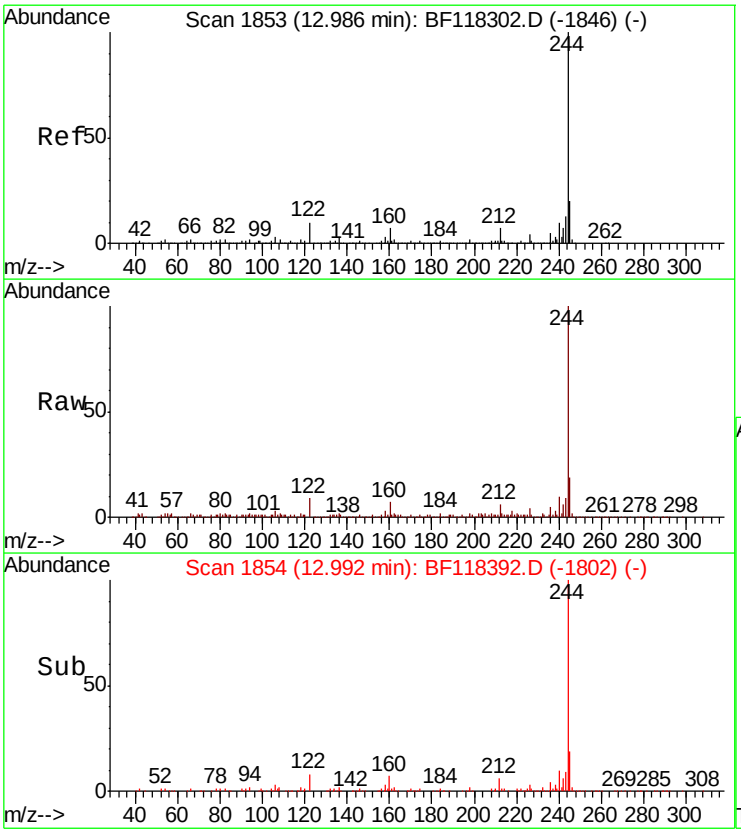
#78
Pyrene
Concen: 140.116 ng
RT: 12.87 min Scan# 1833
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 3447203

Ion	Ratio	Lower	Upper
202	100		
200	22.6	16.8	25.2
203	19.4	13.9	20.9

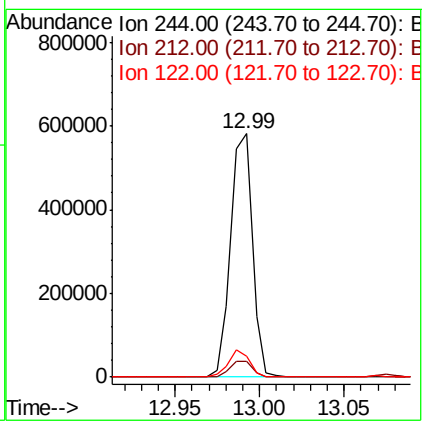


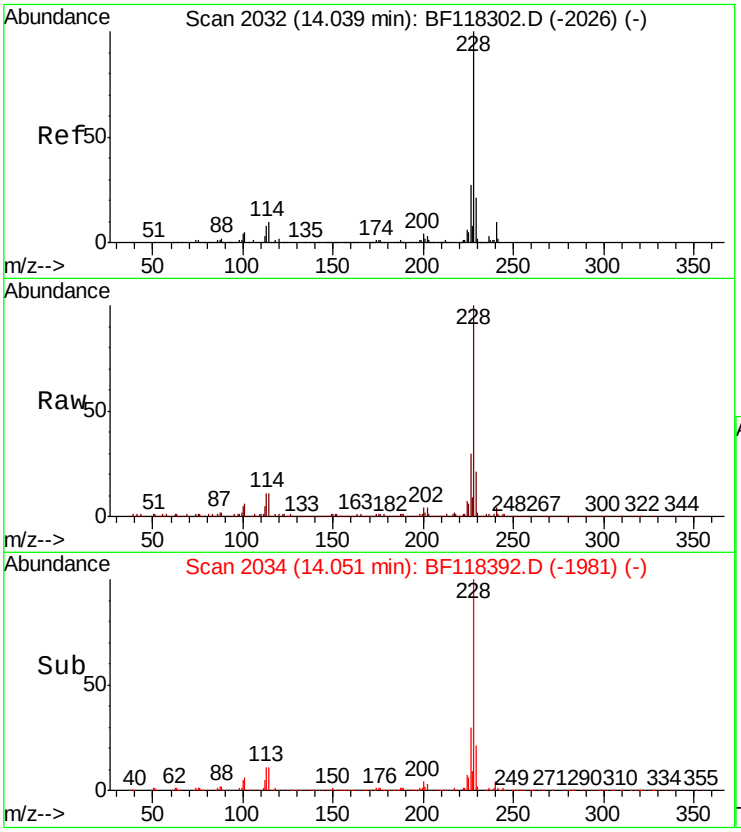


#79
Terphenyl-d14
Concen: 28.641 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:244 Resp: 520107

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	8.7	7.8	11.8



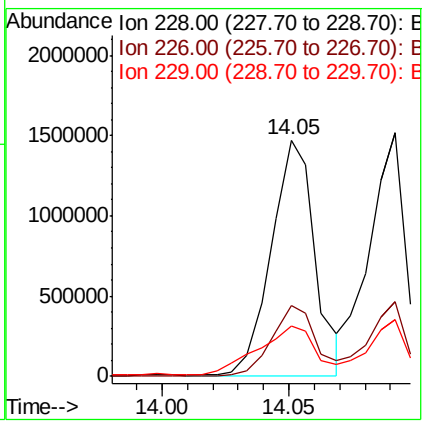


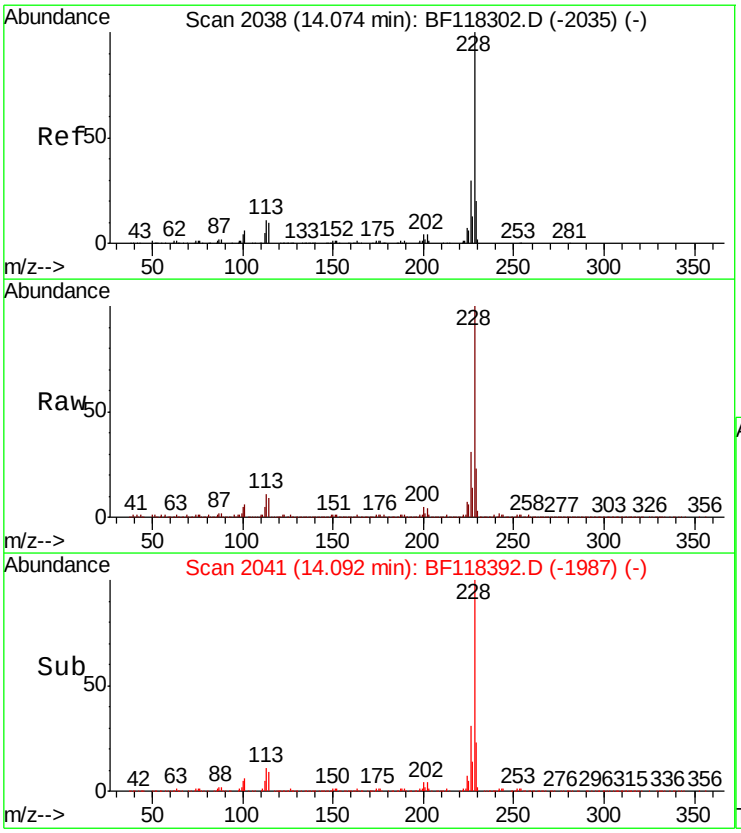
#81
Benzo(a)anthracene
Concen: 83.960 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 1770589

Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.0	33.0
229	21.5	16.6	24.8

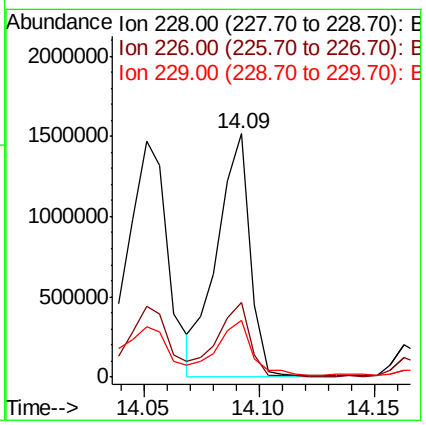


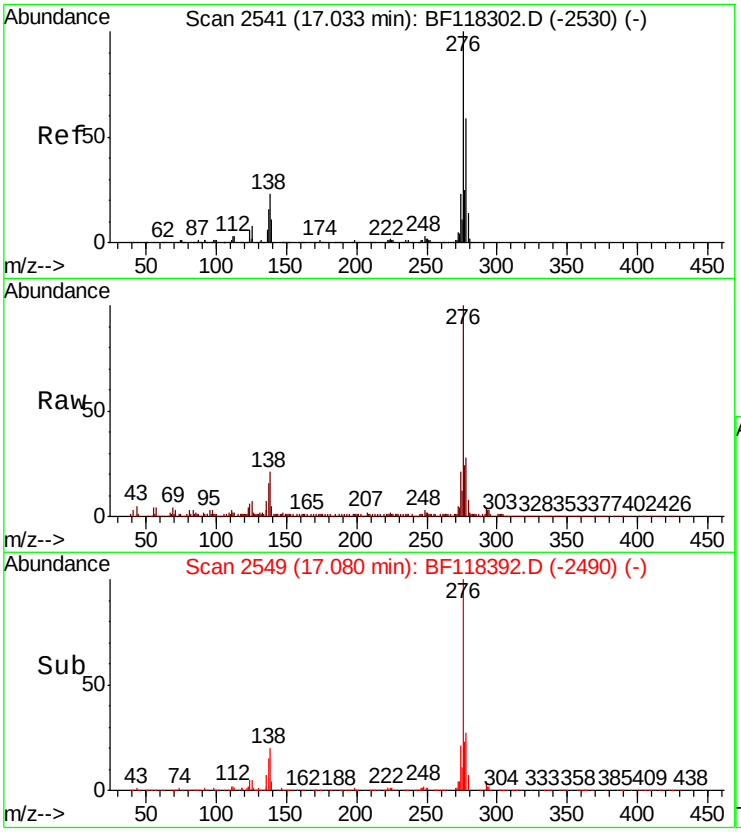


#83
Chrysene
Concen: 73.733 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:228 Resp: 1488856

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	23.1	16.1	24.1



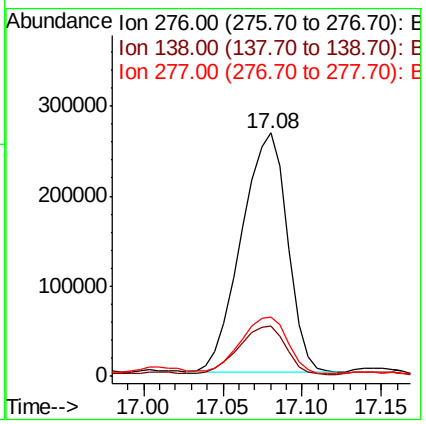


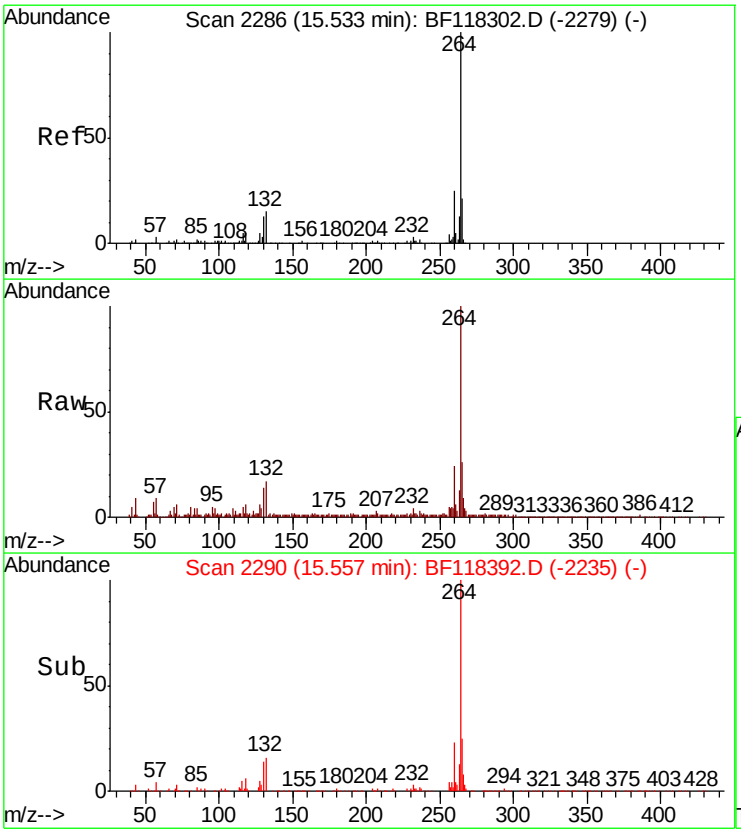
#86
Indeno(1,2,3-cd)pyrene
Concen: 31.274 ng
RT: 17.08 min Scan# 2549
Delta R.T. 0.05 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 538083

Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.5	29.3
277	24.4	20.6	30.8

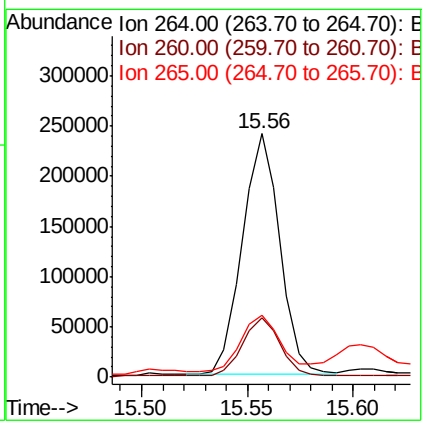


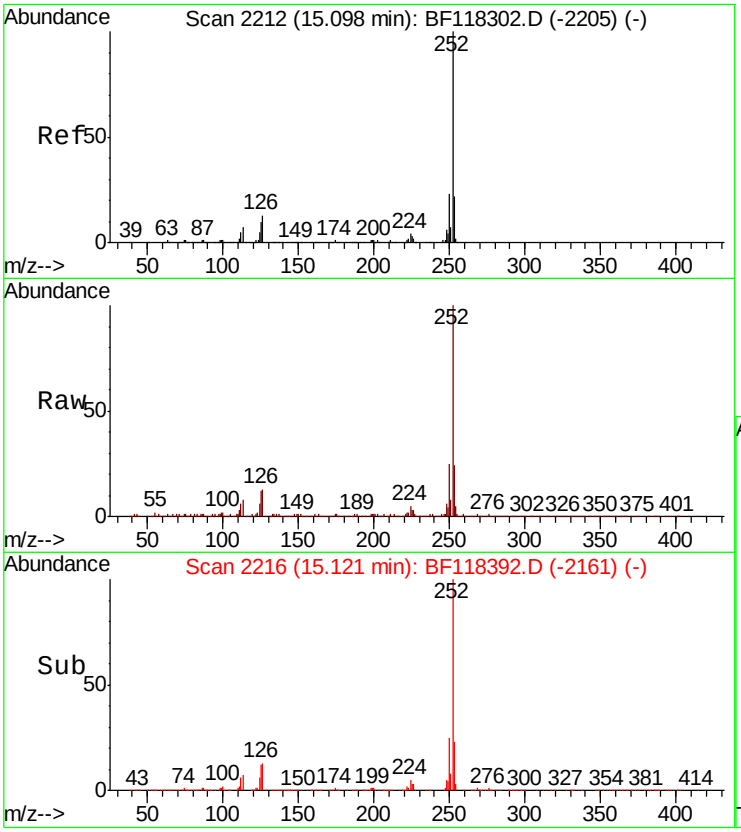


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:264 Resp: 297077

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.6
265	25.7	17.0	25.4#



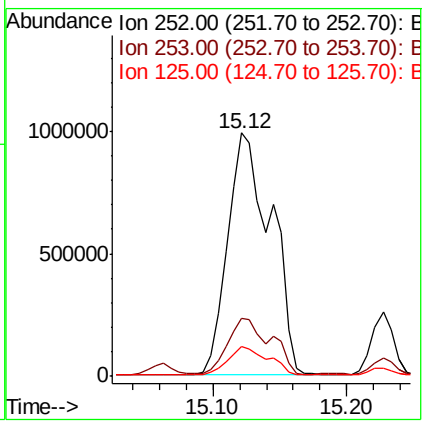


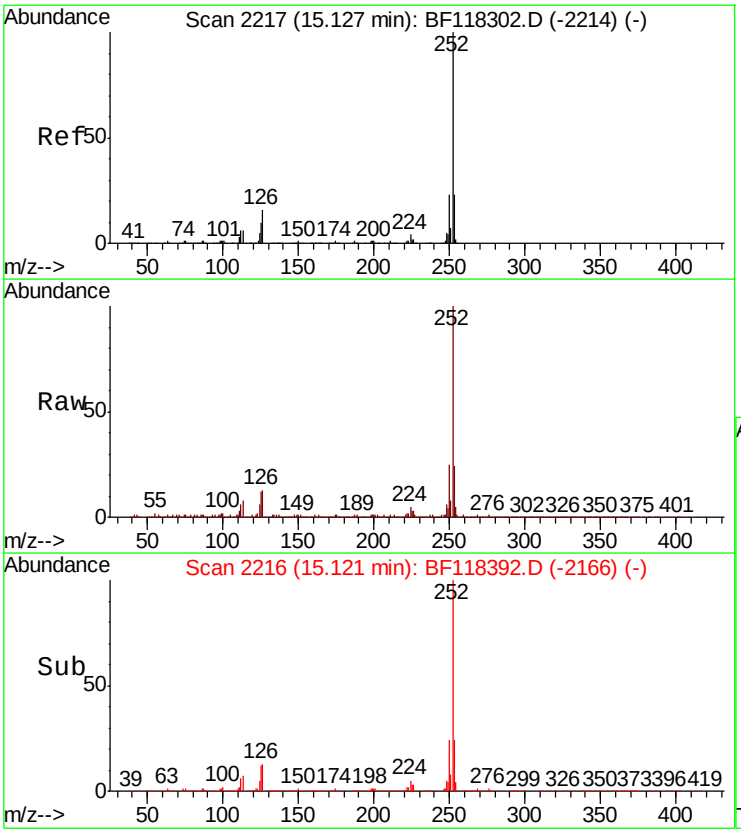
#88
Benzo(b)fluoranthene
Concen: 113.989 ng
RT: 15.12 min Scan# 2216
Delta R.T. 0.02 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 2247857

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	12.4	7.7	11.5#

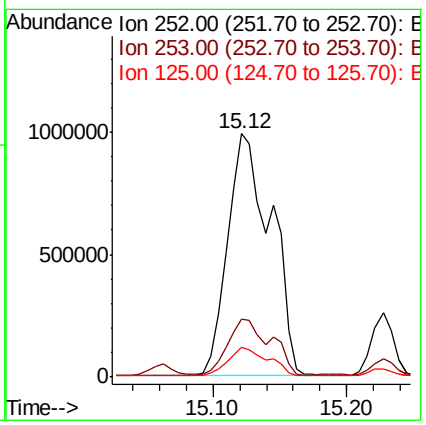


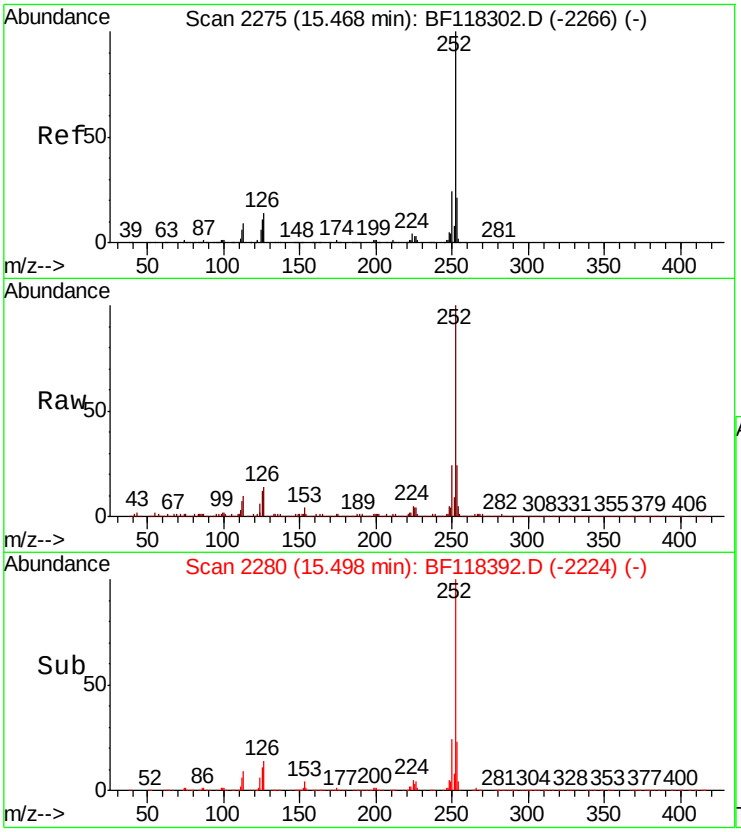


#89
Benzo(k)fluoranthene
Concen: 118.717 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:252 Resp: 2247857

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.0	27.0
125	12.4	8.0	12.0#



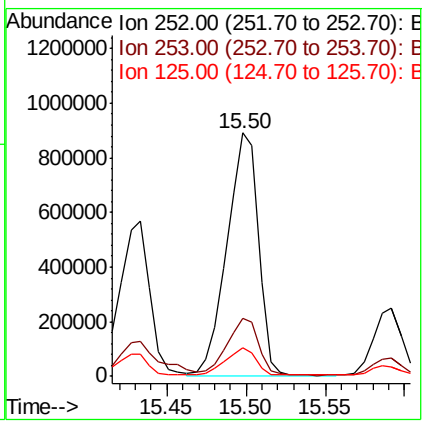


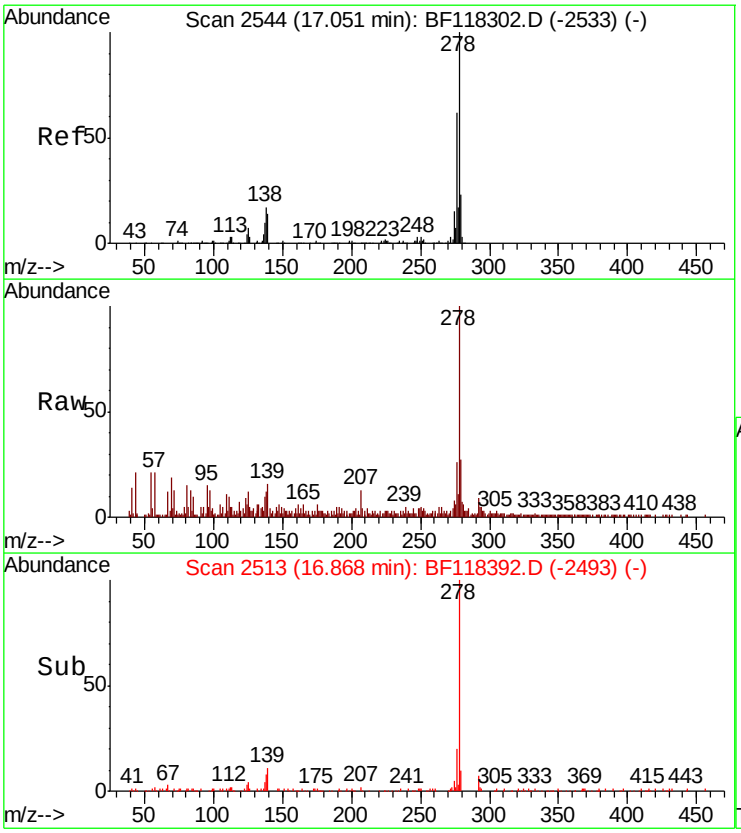
#90
Benzo(a)pyrene
Concen: 70.206 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.03 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1219602

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.9	9.0	13.4

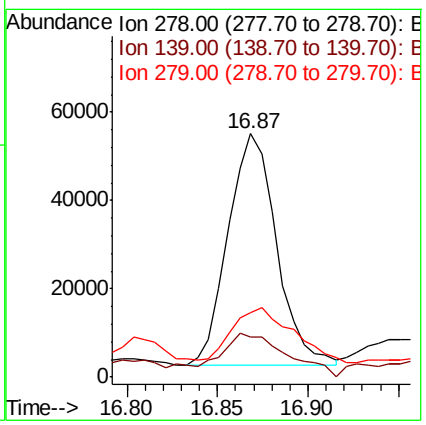


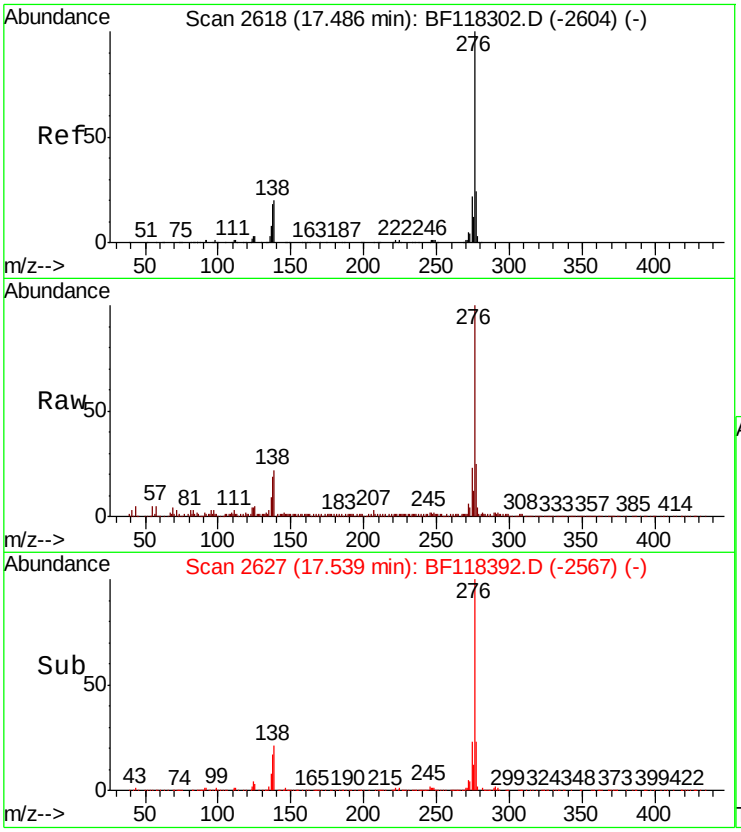


#91
Dibenzo(a,h)anthracene
Concen: 6.516 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.18 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Tgt Ion:278 Resp: 98230

Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.5	17.3
279	26.7	18.3	27.5





#92
Benzo(g,h,i)perylene
Concen: 32.413 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.05 min
Lab File: BF118392.D
Acq: 30 Dec 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 472003

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.1	28.7
138	22.1	16.1	24.1