Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-041020

Quant Time: Apr 17 01:22:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 10:48:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	147709	20.00	ng		0.00
21) Naphthalene-d8	8.01	136	533792	20.00	ng		0.00
39) Acenaphthene-d10	9.76	164	248649	20.00	ng		0.00
64) Phenanthrene-d10	11.25	188	389244	20.00	ng		0.00
76) Chrysene-d12	13.89	240	261683	20.00	ng		0.00
87) Perylene-d12	15.32	264	243117	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	183492	21.47	ng		0.00
7) Phenol-d6	6.35	99	254191	23.08	ng		-0.01
23) Nitrobenzene-d5	7.28	82	148637	14.41	ng		-0.02
42) 2,4,6-Tribromophenol	10.55	330	42074	13.82	ng		-0.01
45) 2-Fluorobiphenyl	9.09	172	285159	16.28	ng		0.00
79) Terphenyl-d14	12.84	244	206881	13.30	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.35	77	309	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.28	70	18043	2.548	ng	#	82
25) Isophorone	7.28	82	147125	7.397	ng	#	65
37) 2-Methylnaphthalene	8.72	142	44652	2.345	ng		96
38) 1-Methylnaphthalene	8.82	142	49512	2.759	ng		99
51) 2,6-Dinitrotoluene	9.76	165	35730	8.484	ng	#	19
52) Acenaphthene	9.80	154	62010	3.781	ng		99
55) Dibenzofuran	9.97	168	59804	2.657	ng	#	96
58) Fluorene	10.31	166	139489	7.749	ng		98
71) Phenanthrene	11.28	178	842893	40.688	ng		100
72) Anthracene	11.33	178	215486	10.182	ng		98
73) Carbazole	11.48	167	56218	2.809	ng		99
75) Fluoranthene	12.47	202	634448	28.384	ng		96
78) Pyrene	12.69	202	632280	28.661	ng		99
81) Benzo(a)anthracene	13.88	228	272580	15.834	ng		97
83) Chrysene	13.92	228	231559	13.238	ng		95
86) Indeno(1,2,3-cd)pyrene	16.70	276	65653	4.258	ng		97
88) Benzo(b)fluoranthene	14.91	252	296375	16.946	ng	#	94
89) Benzo(k)fluoranthene	14.91	252	296375	19.640	ng	#	95
90) Benzo(a)pyrene	15.26	252	182499	12.411	ng		98
92) Benzo(g,h,i)perylene	17.12	276	61191	4.759	ng		96

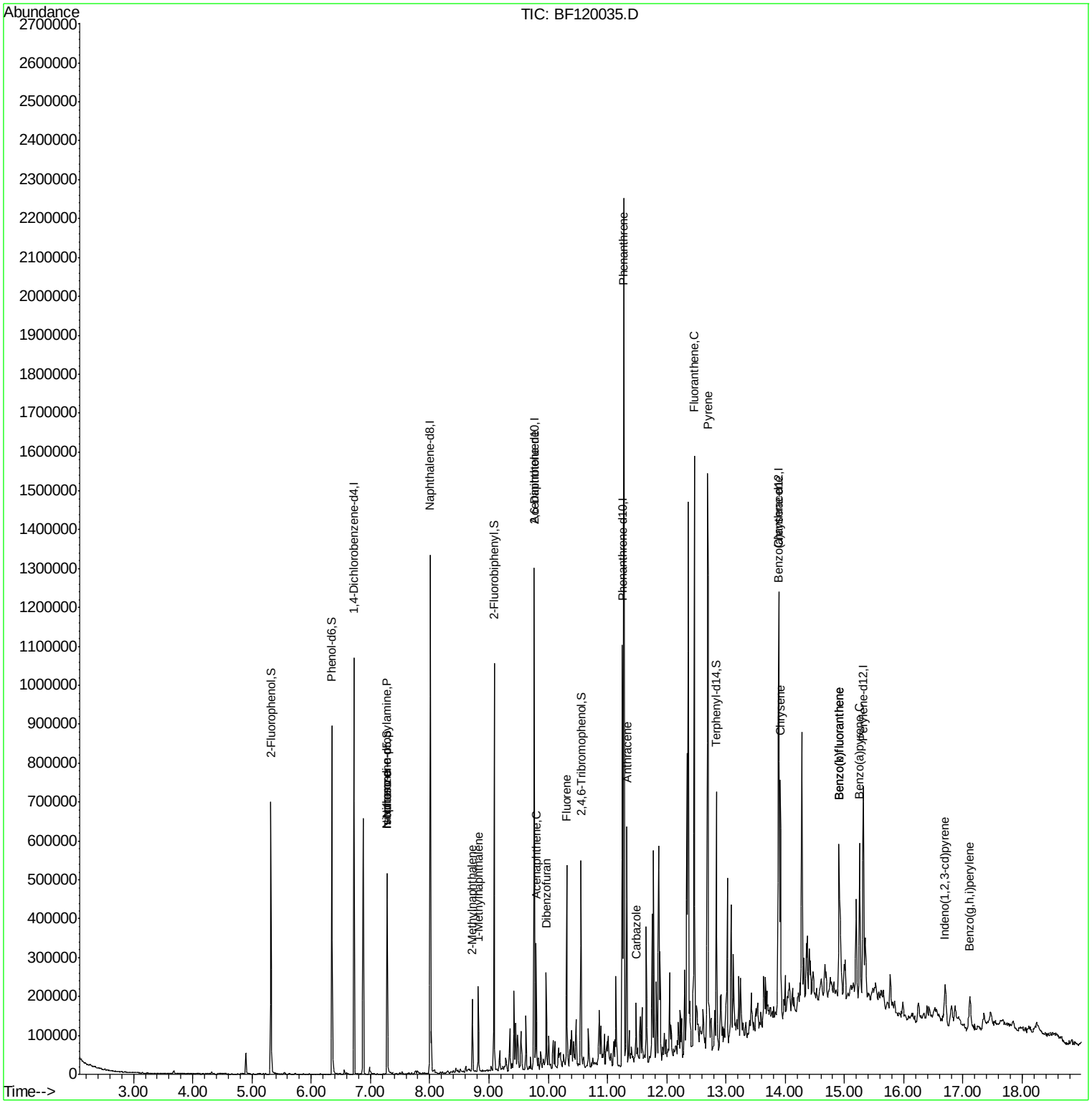
(#) = qualifier out of range (m) = manual integration (+) = signals summed

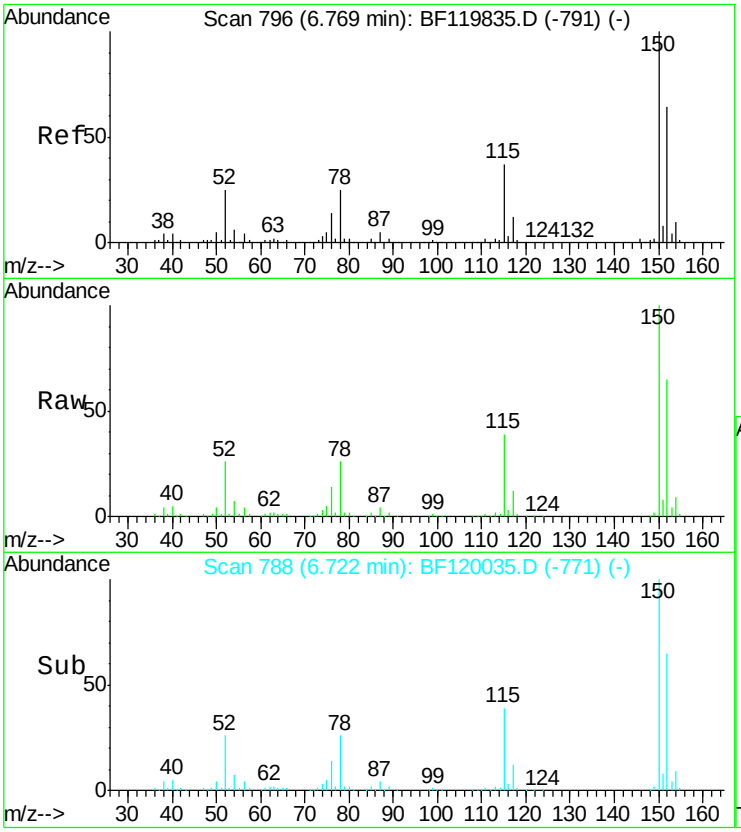
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
Data File : BF120035.D
Acq On : 16 Apr 2020 14:47
Operator : MA/SJ
Sample : L2115-01 5X
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Quant Time: Apr 17 01:22:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 16 10:48:04 2020
Response via : Initial Calibration



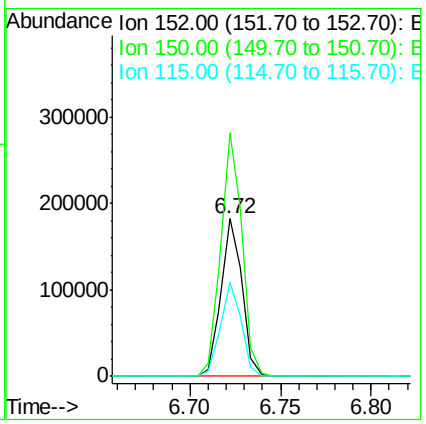


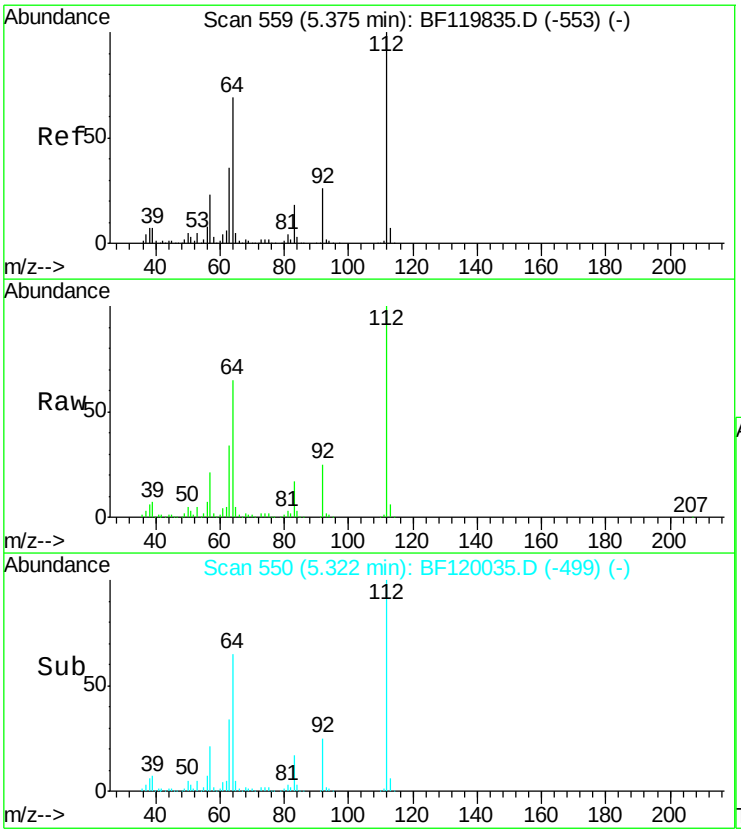
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:152 Resp: 147709

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.8	187.2
115	59.6	46.5	69.7

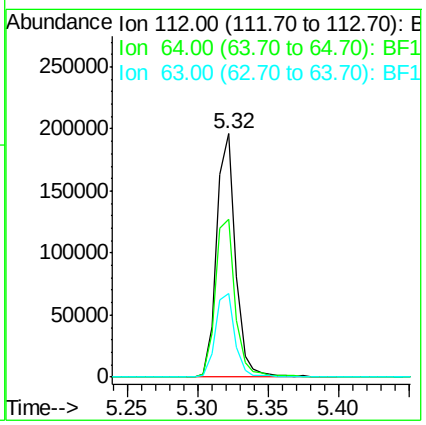


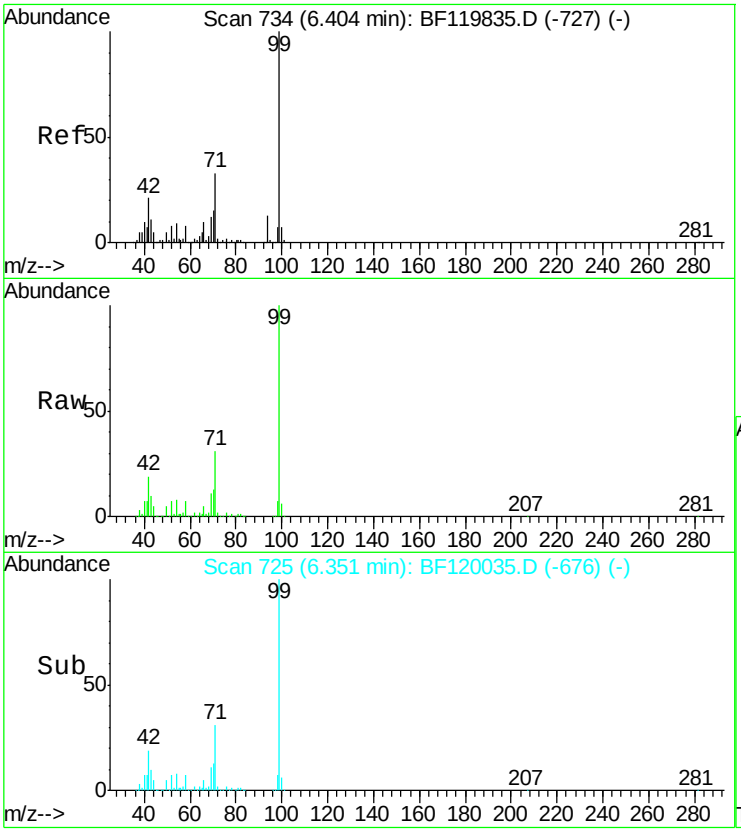


#5
2-Fluorophenol
Concen: 21.468 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:112 Resp: 183492

Ion	Ratio	Lower	Upper
112	100		
64	64.6	55.5	83.3
63	34.2	29.1	43.7



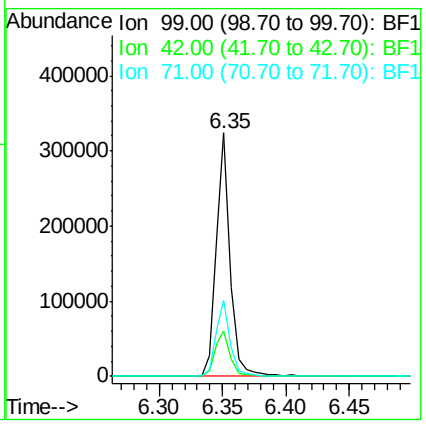


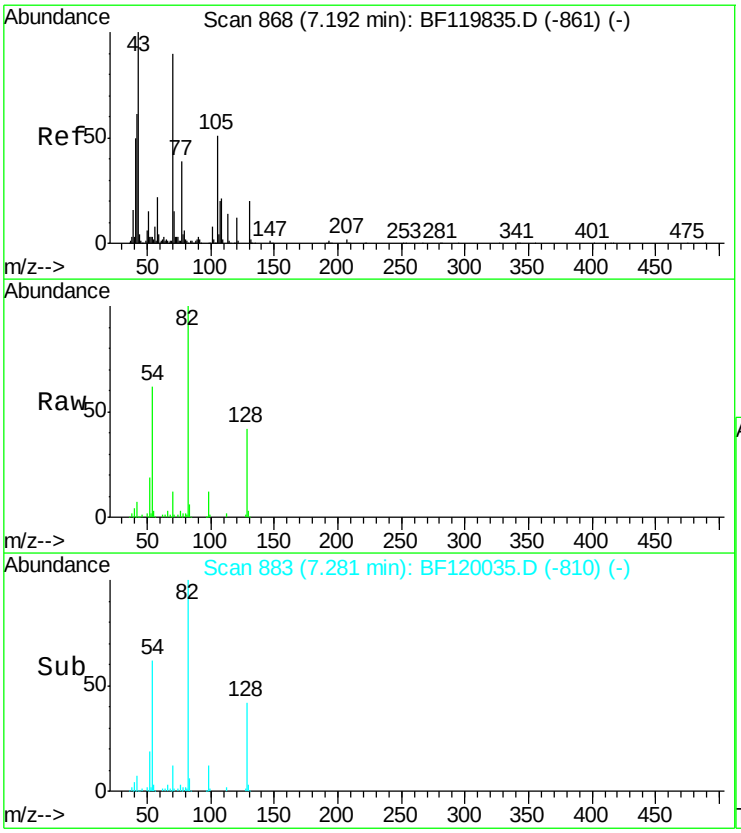
#7
Phenol-d6
Concen: 23.080 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion: 99 Resp: 254191

Ion	Ratio	Lower	Upper
99	100		
42	18.6	16.9	25.3
71	31.0	26.3	39.5

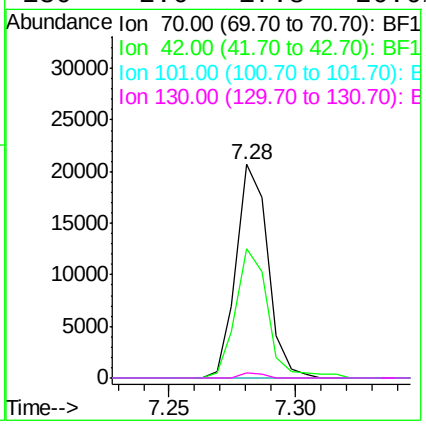


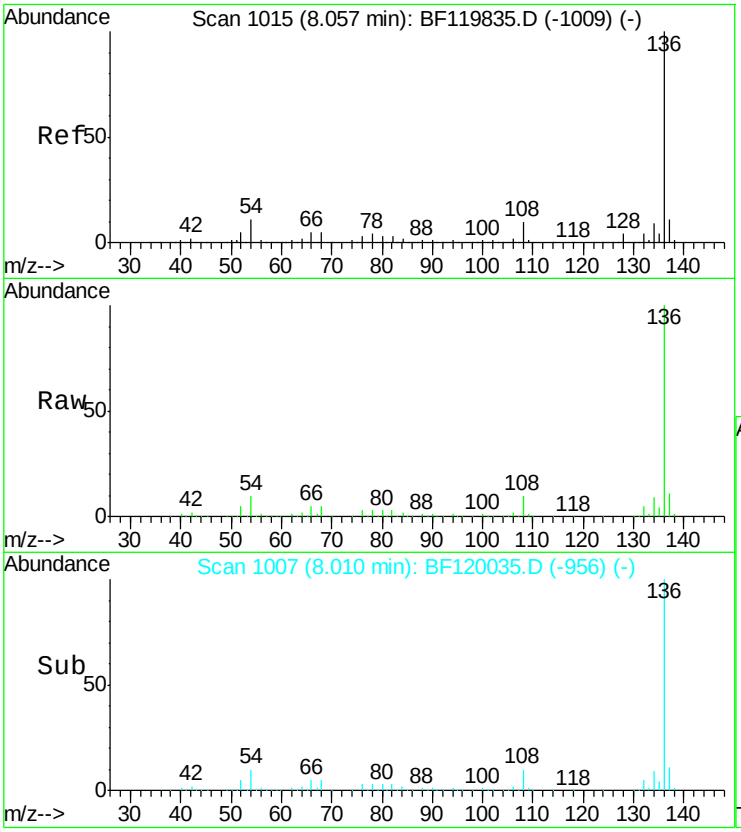


#19
n-Nitroso-di-n-propylamine
Concen: 2.548 ng
RT: 7.28 min Scan# 883
Delta R.T. 0.13 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion: 70 Resp: 18043

Ion	Ratio	Lower	Upper
70	100		
42	60.5	54.2	81.4
101	0.0	7.4	11.2#
130	2.6	17.8	26.6#



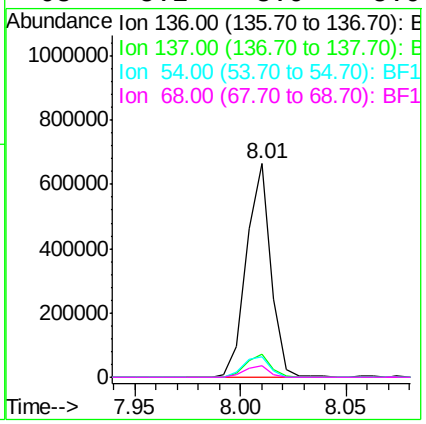


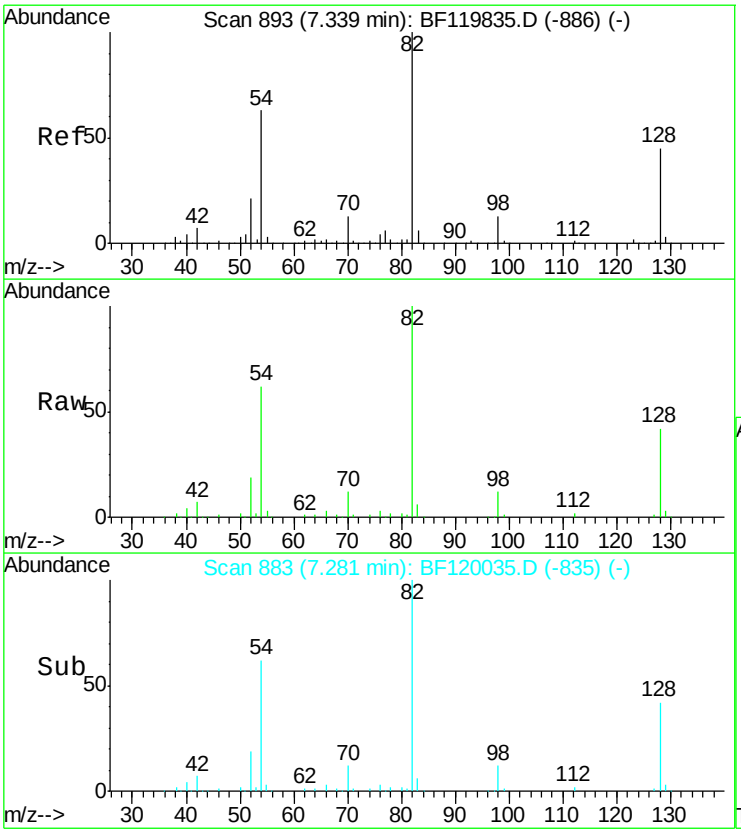
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:136 Resp: 533792

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	9.9	8.5	12.7
68	5.2	3.9	5.9

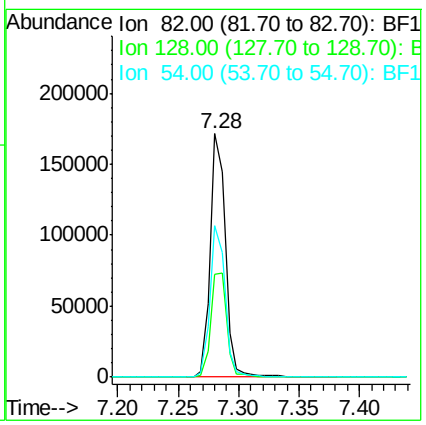


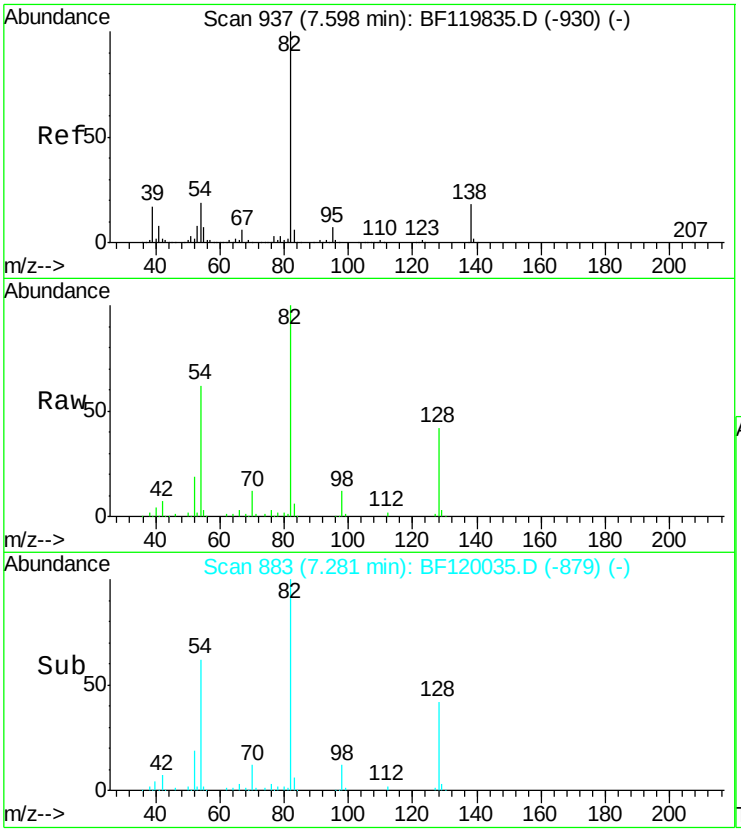


#23
Nitrobenzene-d5
Concen: 14.405 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion: 82 Resp: 148637

Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.2	54.4
54	62.1	50.4	75.6



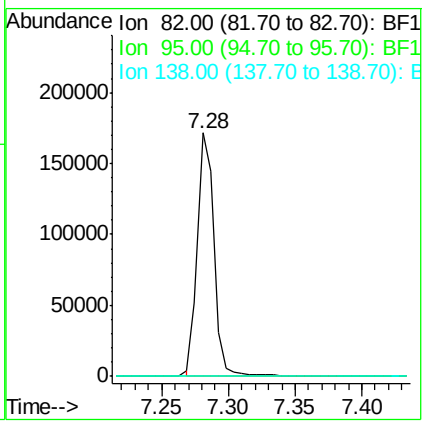


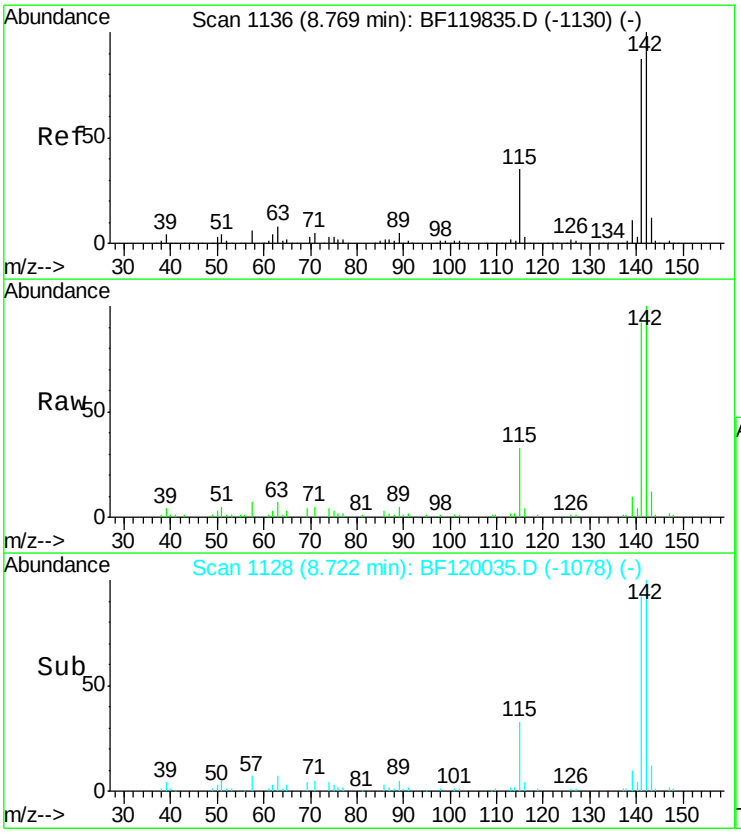
#25
Isophorone
Concen: 7.397 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion: 82 Resp: 147125

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.8	8.6#
138	0.0	14.5	21.7#

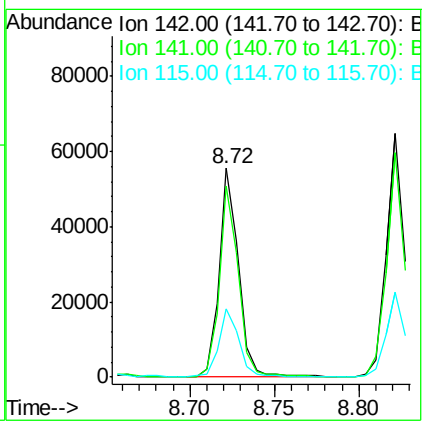


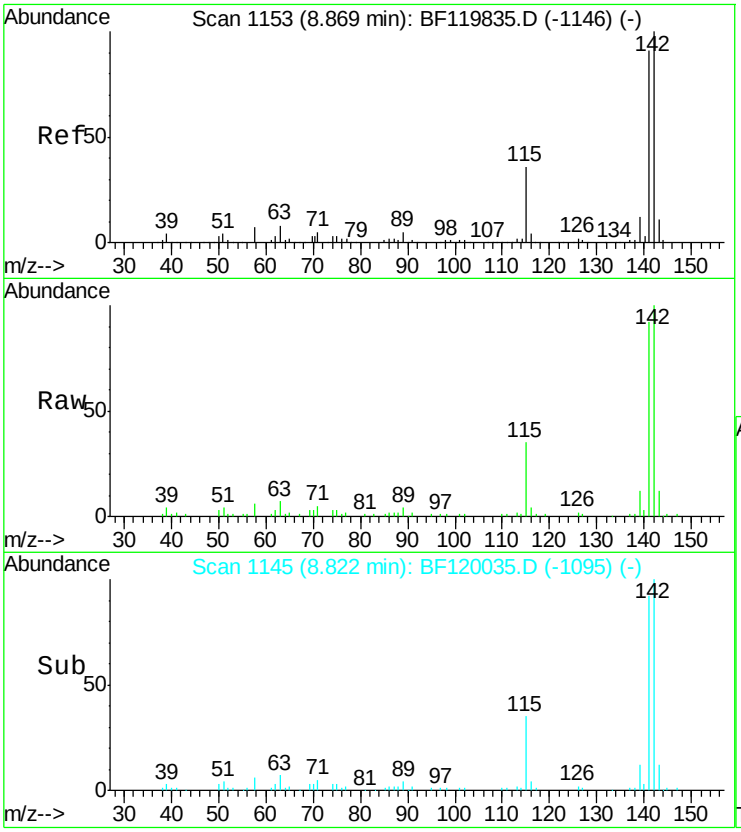


#37
2-Methylnaphthalene
Concen: 2.345 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:142 Resp: 44652

Ion	Ratio	Lower	Upper
142	100		
141	91.7	69.9	104.9
115	32.9	28.0	42.0



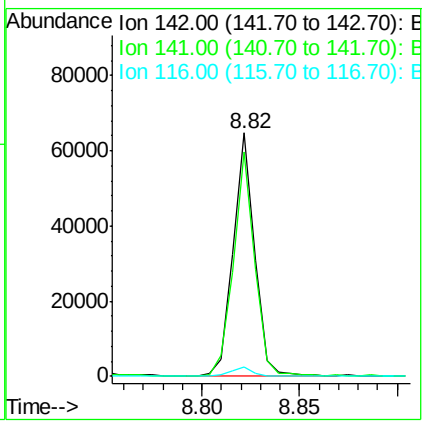


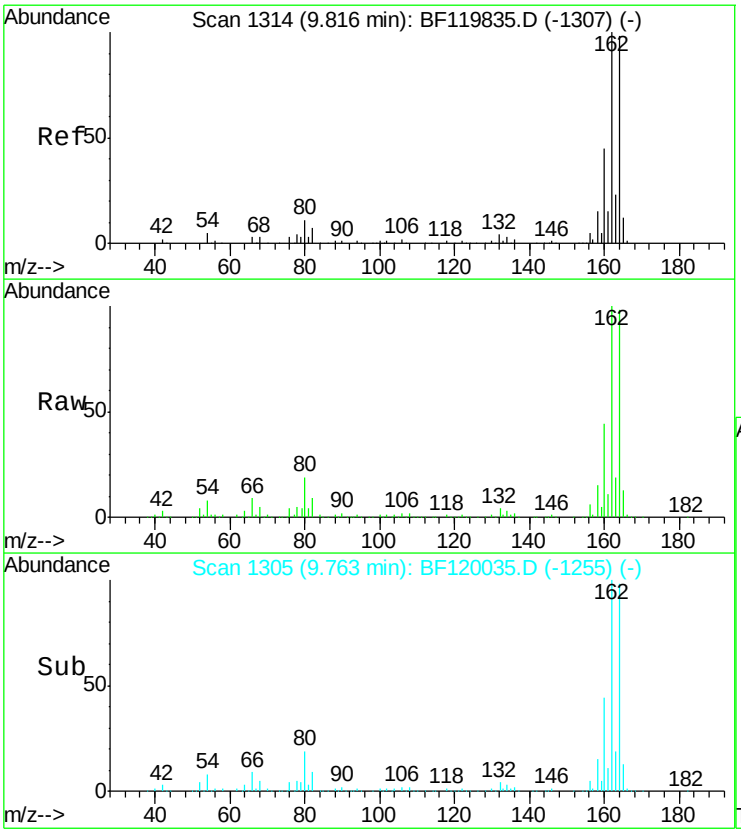
#38
1-Methylnaphthalene
Concen: 2.759 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:142 Resp: 49512

Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.9	109.3
116	3.9	3.0	4.6

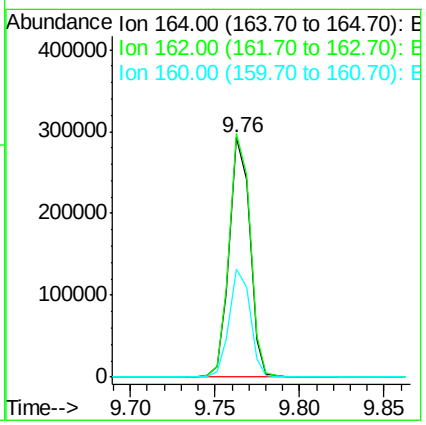


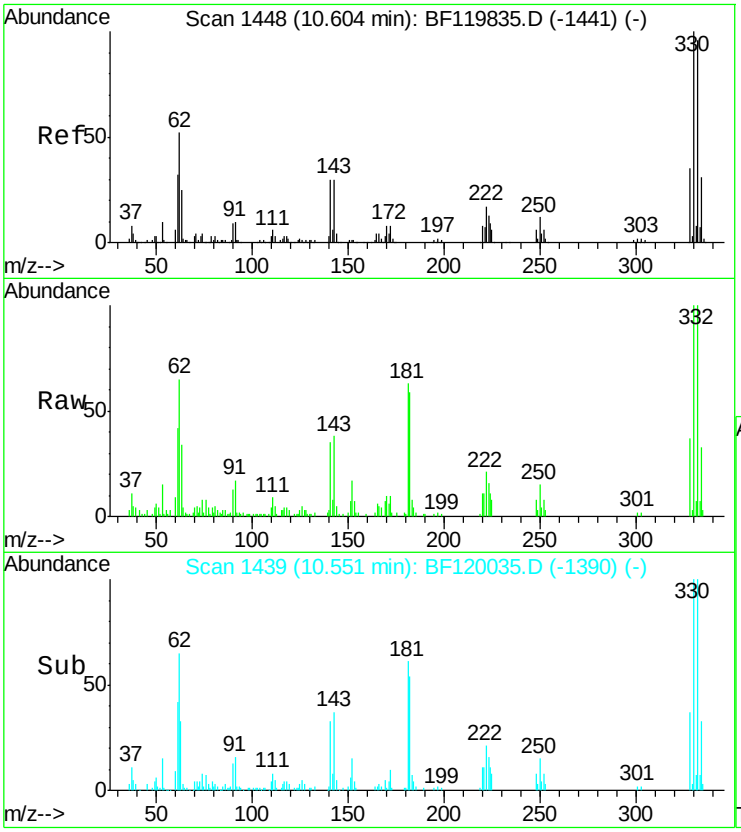


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:164 Resp: 248649

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.9	122.9
160	45.0	36.6	54.8



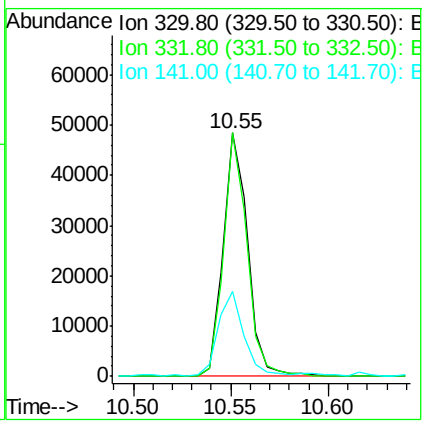


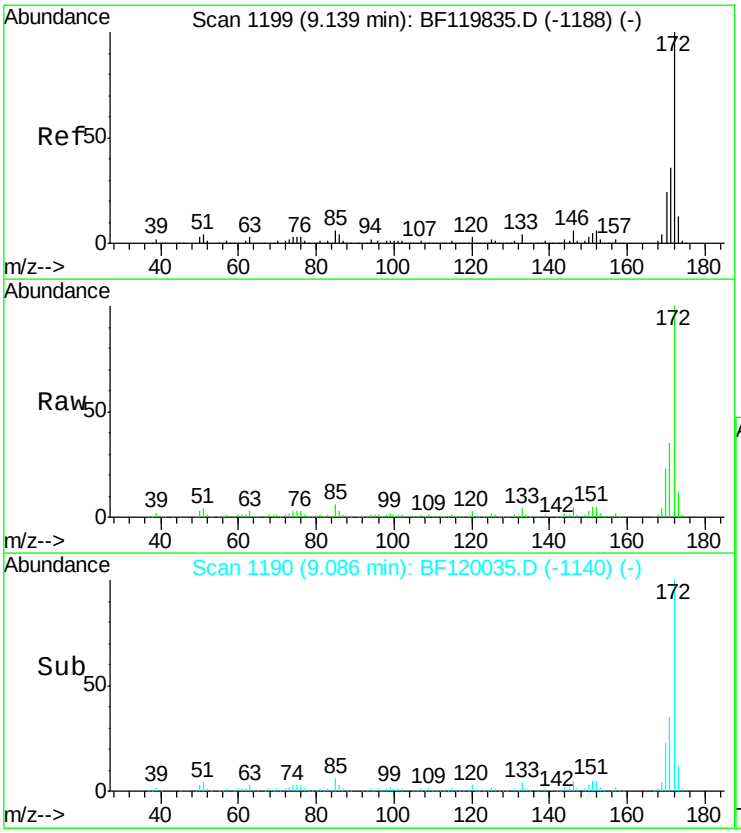
#42
2,4,6-Tribromophenol
Concen: 13.821 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:330 Resp: 42074

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	38.6	25.1	37.7#

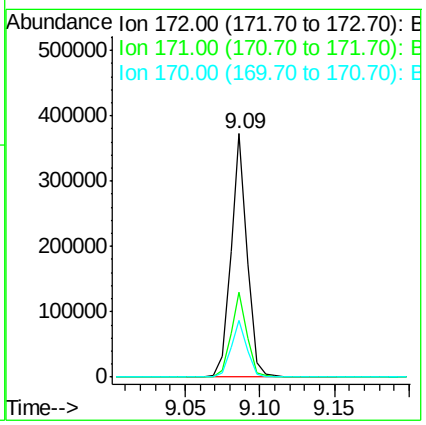


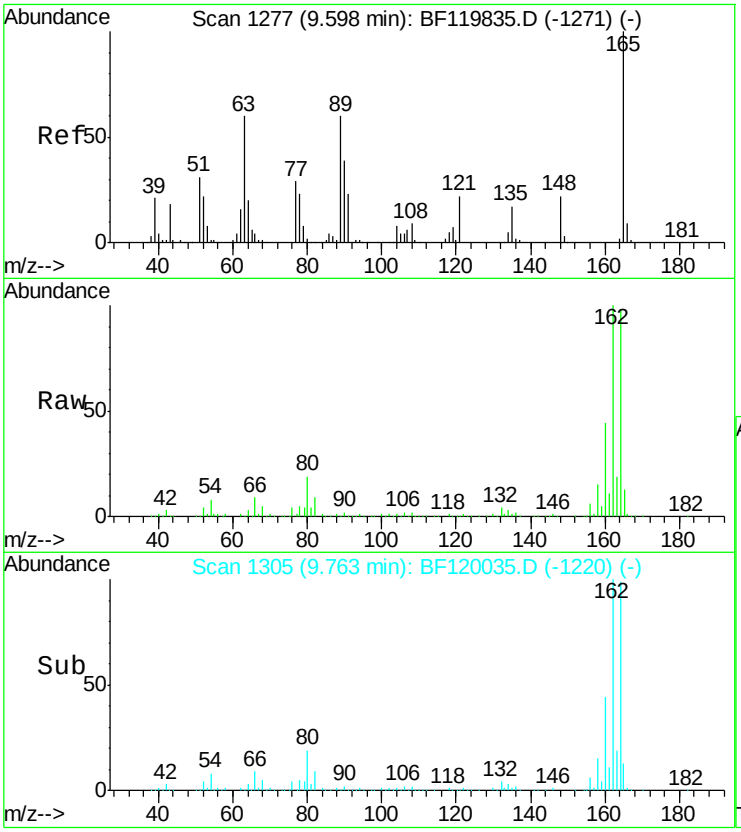


#45
2-Fluorobiphenyl
Concen: 16.283 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:172 Resp: 285159

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.9	43.3
170	23.1	19.4	29.2



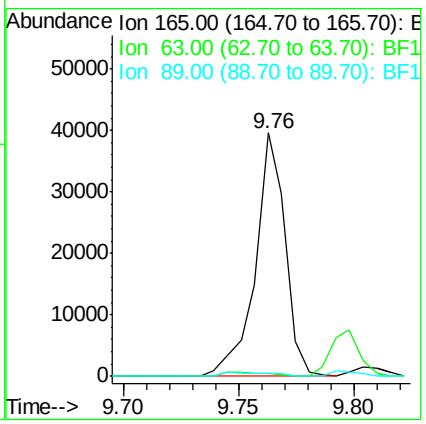


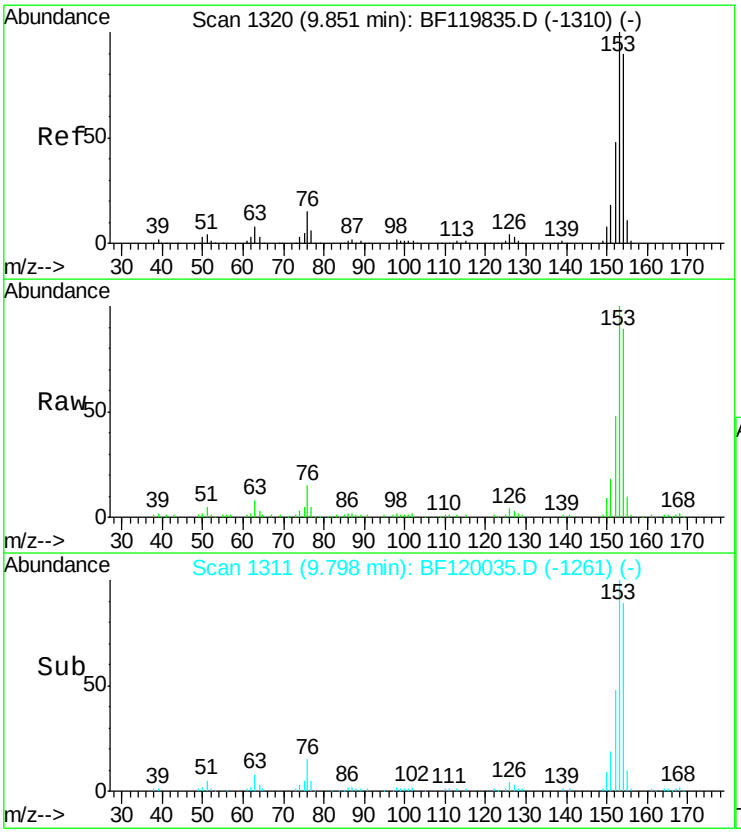
#51
2,6-Dinitrotoluene
Concen: 8.484 ng
RT: 9.76 min Scan# 1305
Delta R.T. 0.20 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:165 Resp: 35730

Ion	Ratio	Lower	Upper
165	100		
63	1.1	55.6	83.4#
89	1.5	47.9	71.9#

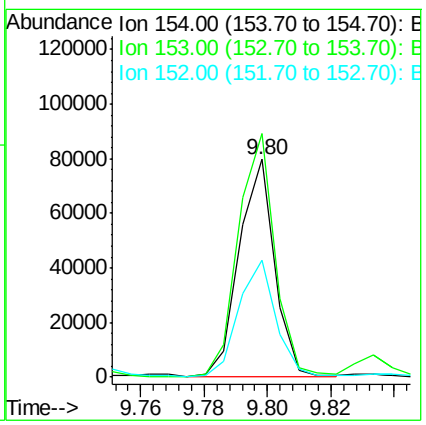


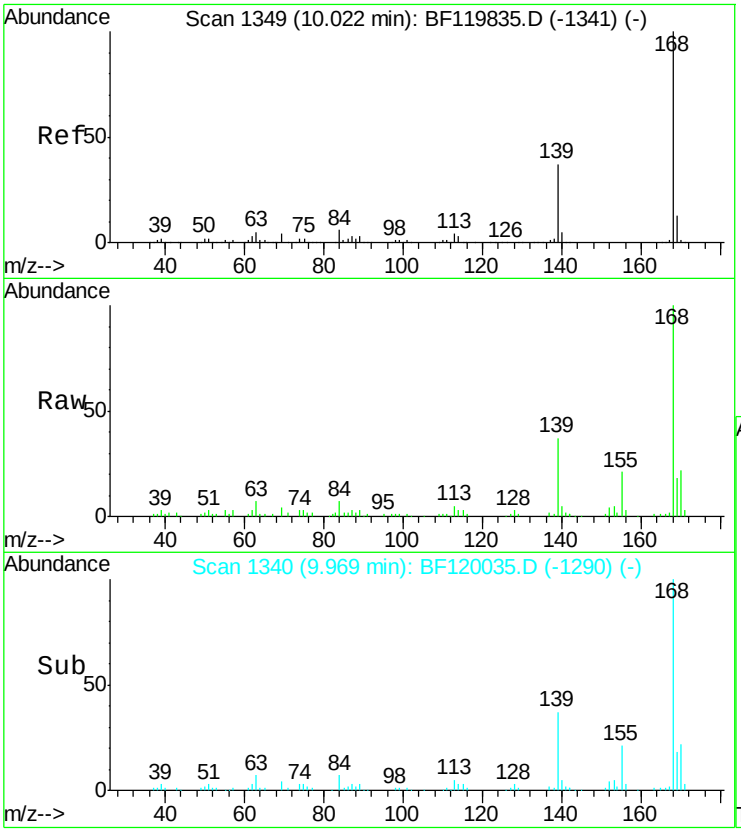


#52
Acenaphthene
Concen: 3.781 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:154 Resp: 62010

Ion	Ratio	Lower	Upper
154	100		
153	111.7	88.8	133.2
152	53.6	42.4	63.6



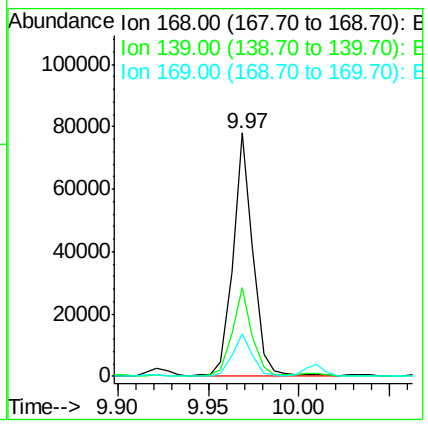


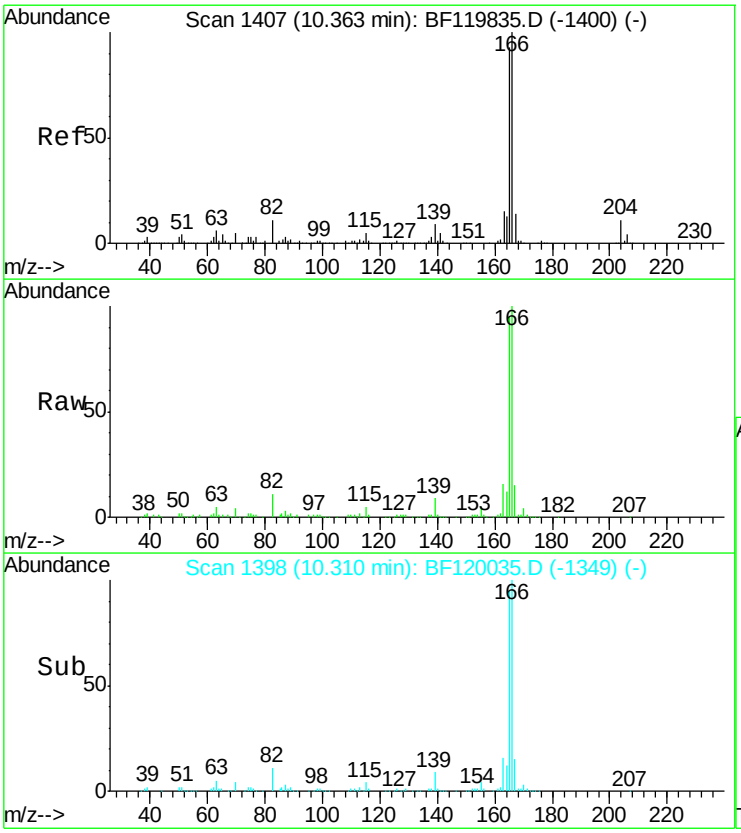
#55
Dibenzofuran
Concen: 2.657 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:168 Resp: 59804

Ion	Ratio	Lower	Upper
168	100		
139	36.6	29.8	44.6
169	17.6	10.6	15.8#

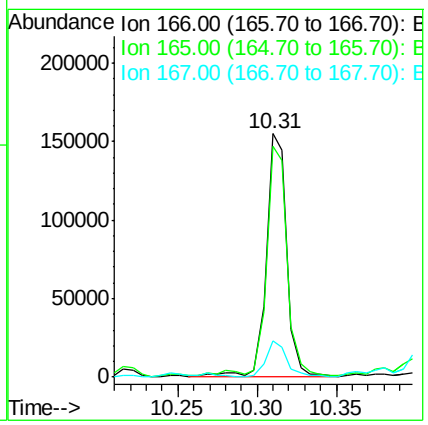


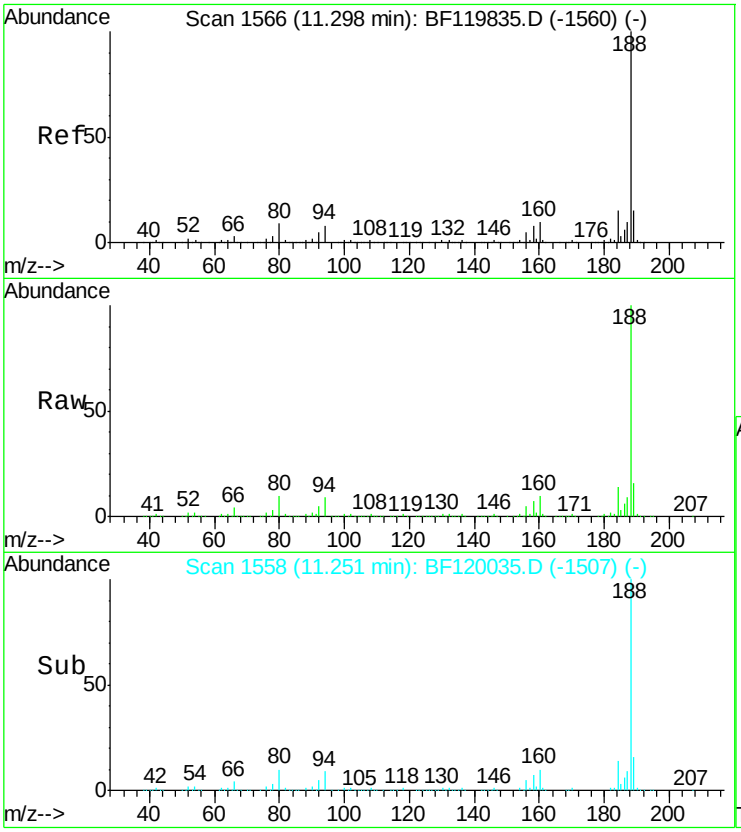


#58
Fluorene
Concen: 7.749 ng
RT: 10.31 min Scan# 1398
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:166 Resp: 139489

Ion	Ratio	Lower	Upper
166	100		
165	94.8	74.2	111.2
167	14.9	10.8	16.2



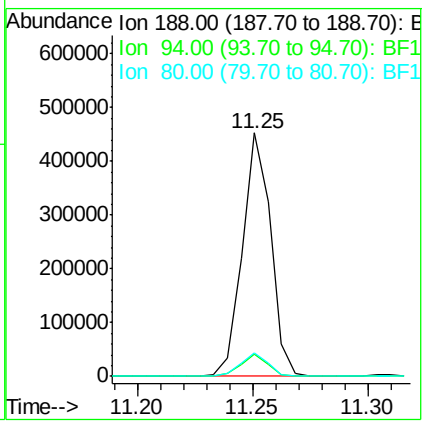


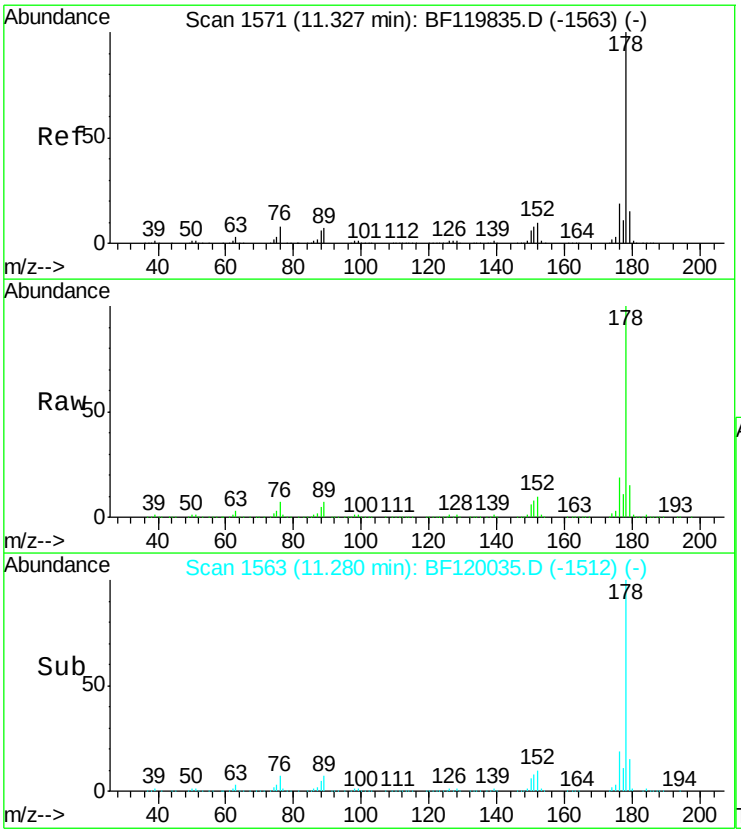
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:188 Resp: 389244

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.7	10.1
80	9.7	7.4	11.2

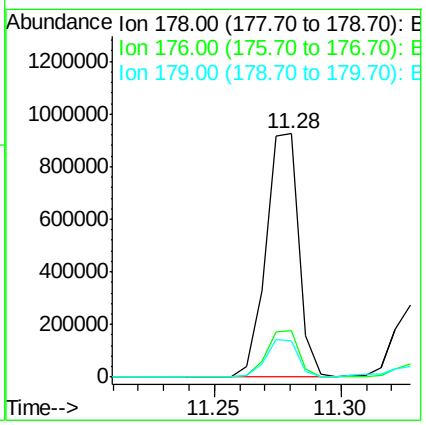


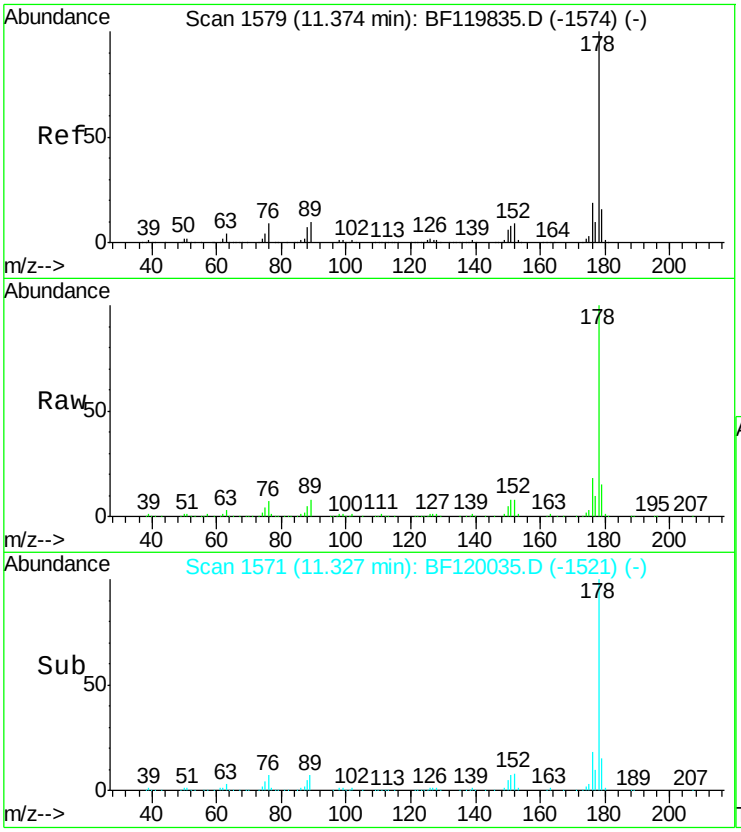


#71
Phenanthrene
Concen: 40.688 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.00 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:178 Resp: 842893

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	14.9	12.2	18.4



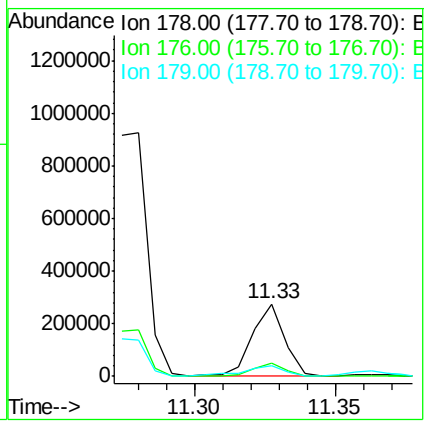


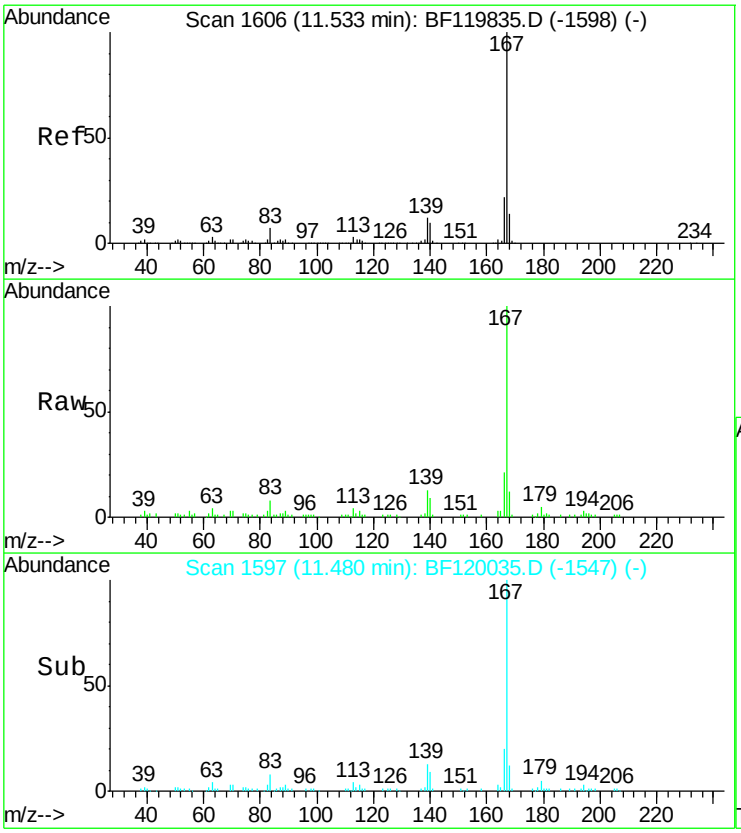
#72
Anthracene
Concen: 10.182 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:178 Resp: 215486

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.4	12.8	19.2

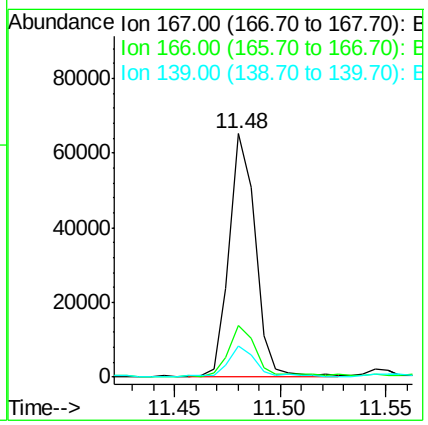


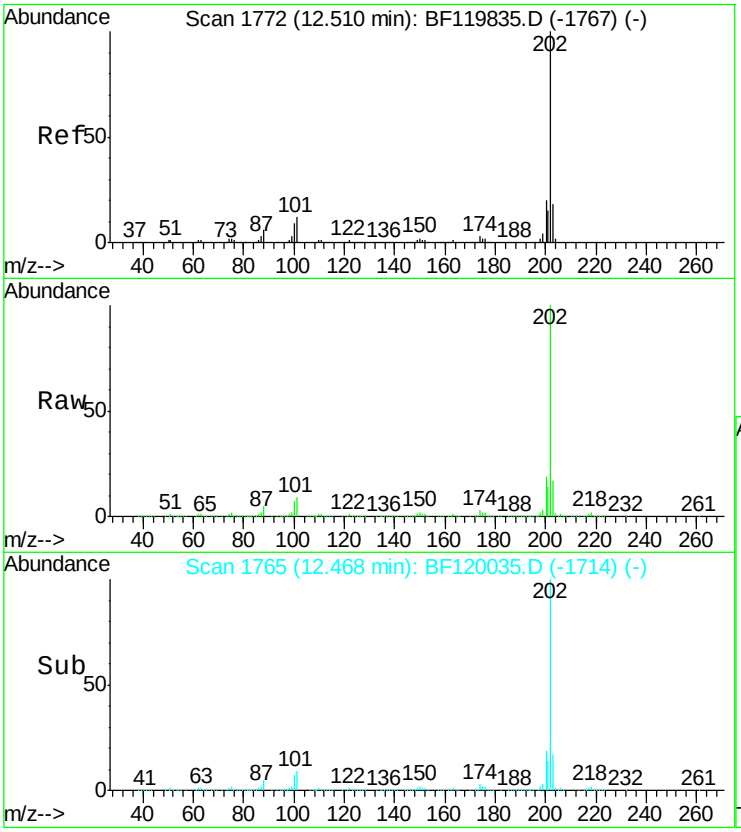


#73
Carbazole
Concen: 2.809 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:167 Resp: 56218

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.0
139	12.8	9.8	14.8



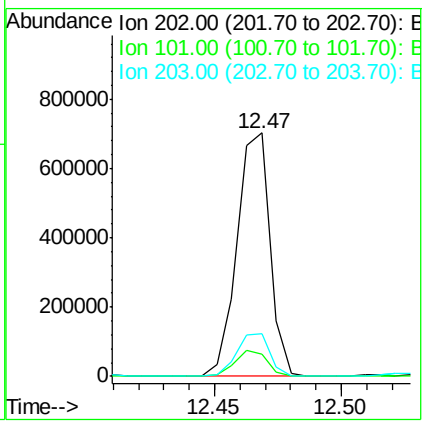


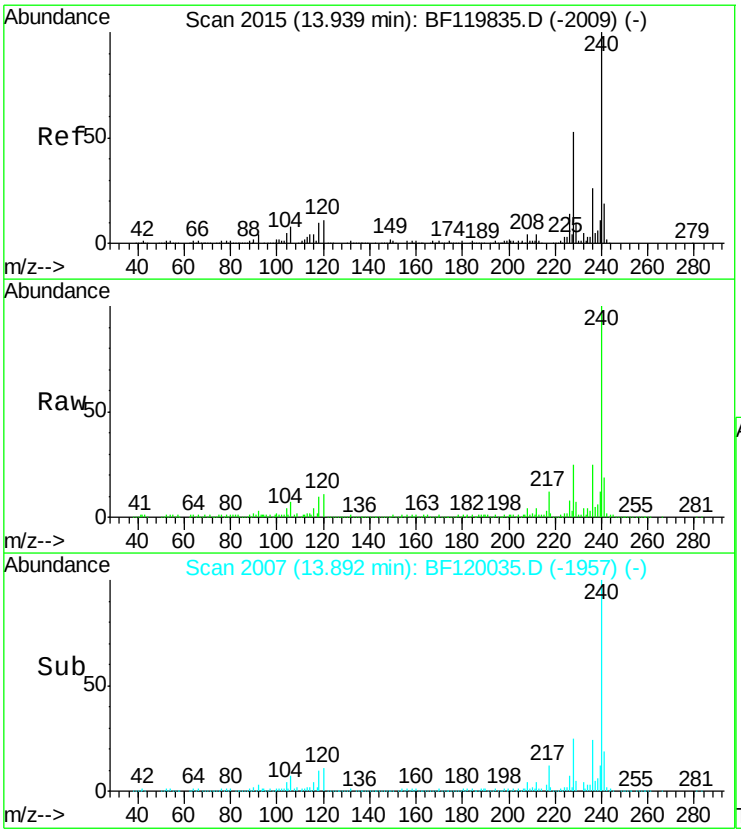
#75
Fluoranthene
Concen: 28.384 ng
RT: 12.47 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:202 Resp: 634448

Ion	Ratio	Lower	Upper
202	100		
101	9.3	0.0	32.3
203	17.3	0.0	37.6

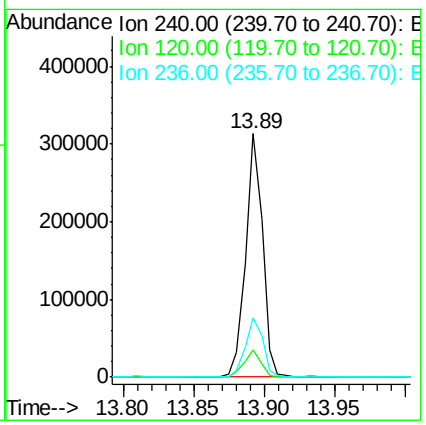


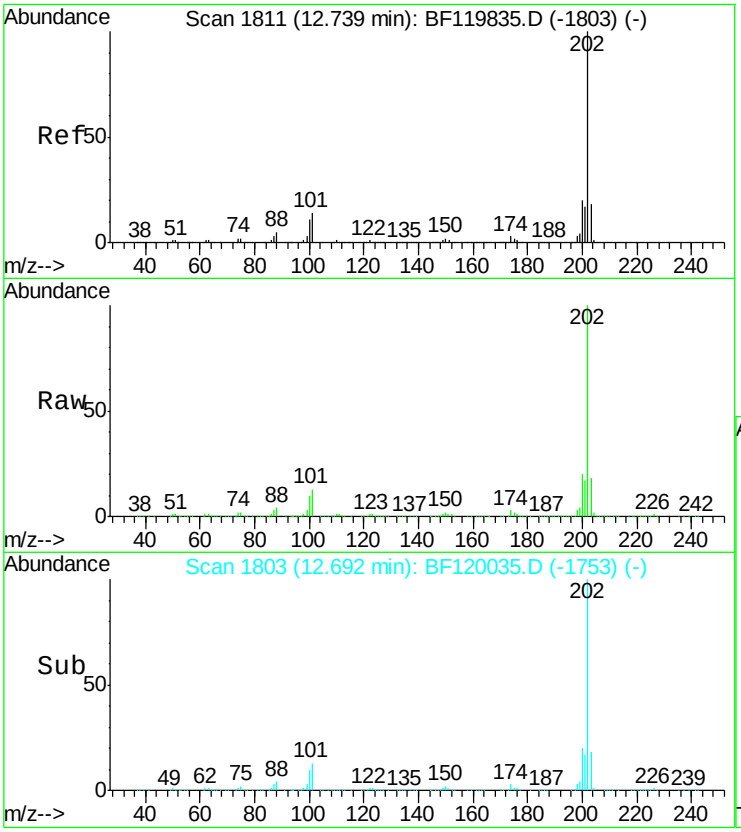


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:240 Resp: 261683

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.0	13.6
236	24.5	20.7	31.1



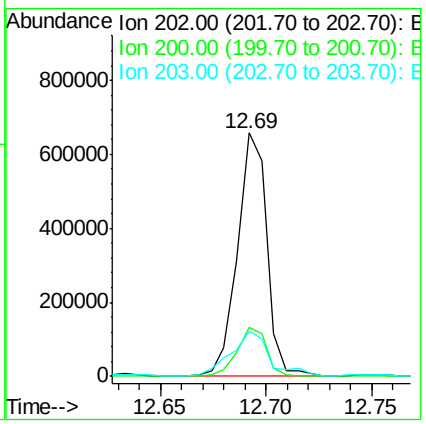


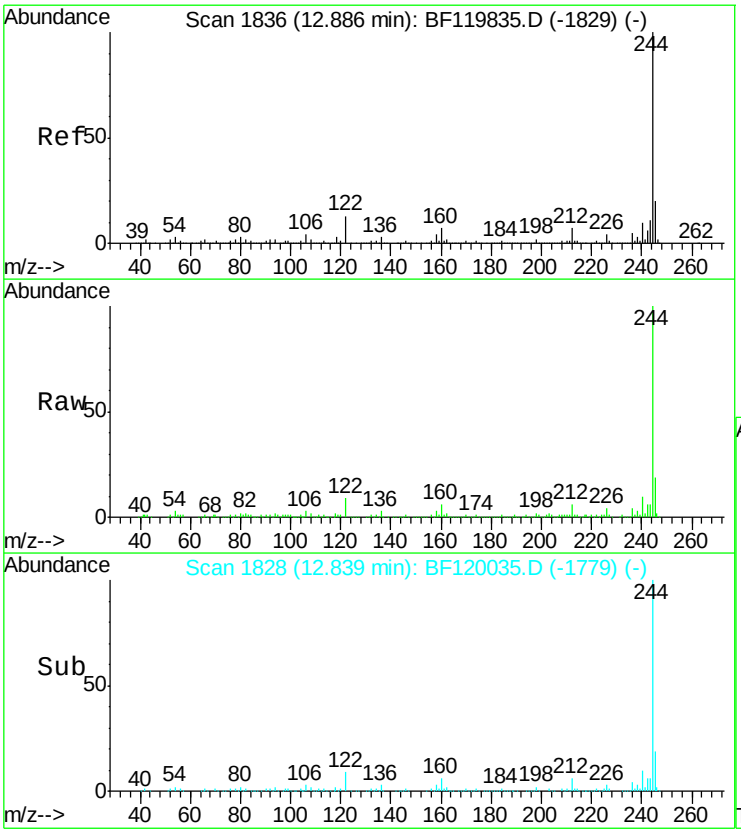
#78
Pyrene
Concen: 28.661 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:202 Resp: 632280

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.2
203	18.3	14.1	21.1

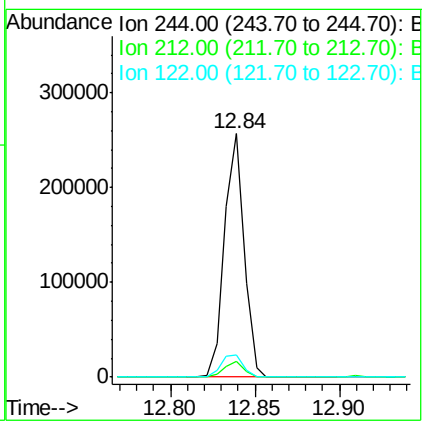


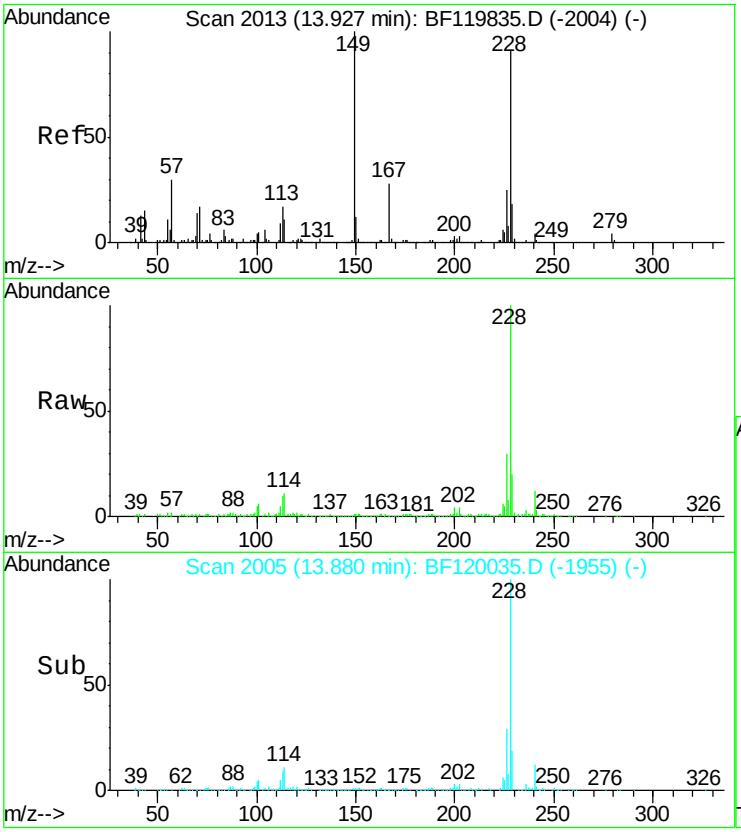


#79
Terphenyl-d14
Concen: 13.303 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:244 Resp: 206881

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.1	10.3	15.5#



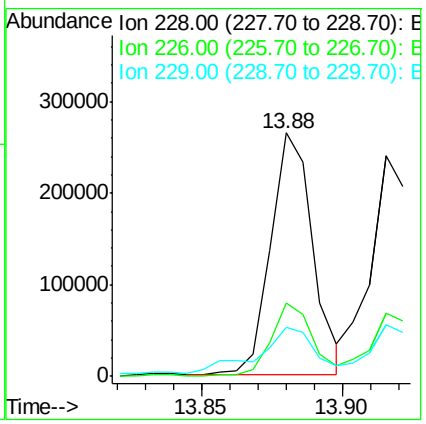


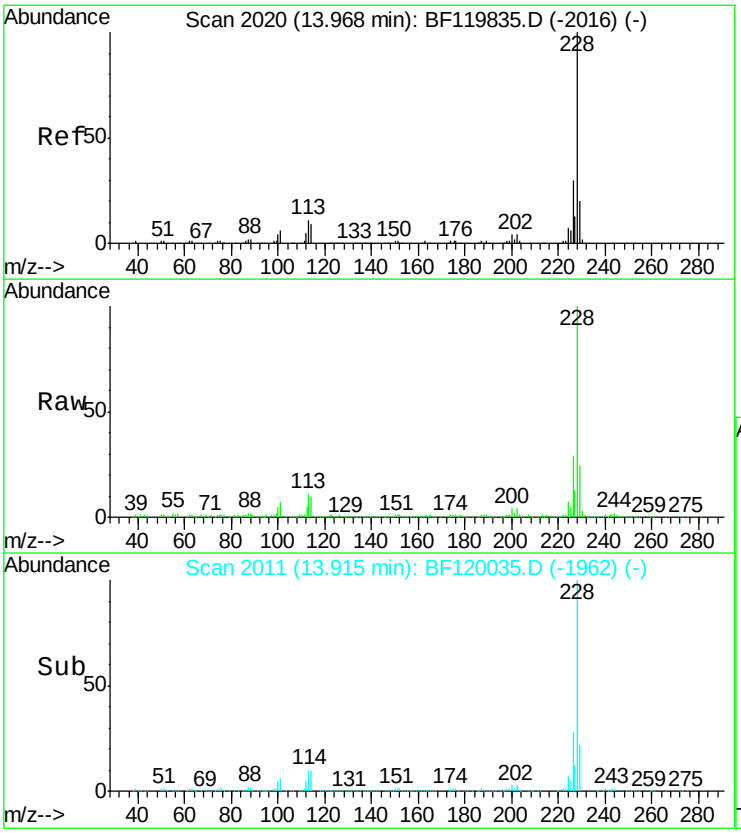
#81
Benzo(a)anthracene
Concen: 15.834 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:228 Resp: 272580

Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.9	32.9
229	20.0	15.9	23.9

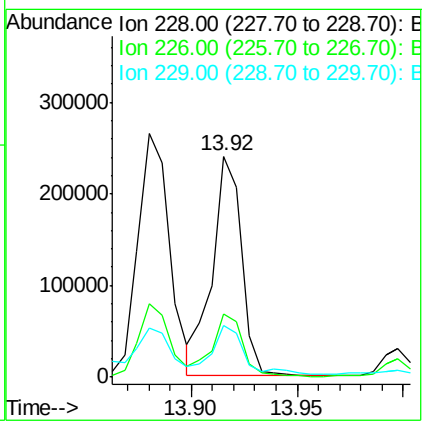


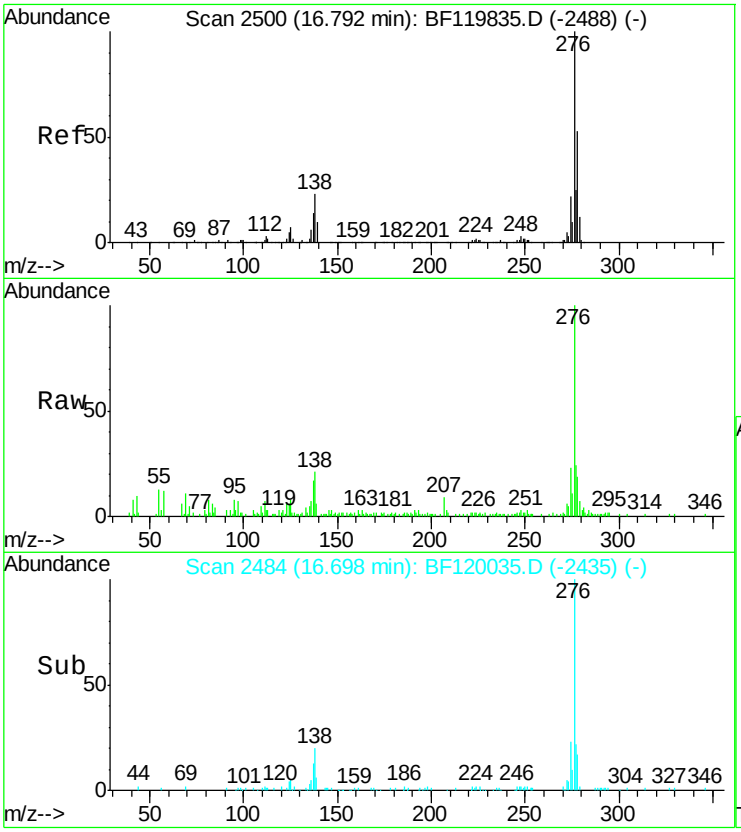


#83
Chrysene
Concen: 13.238 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:228 Resp: 231559

Ion	Ratio	Lower	Upper
228	100		
226	28.5	24.2	36.2
229	23.6	15.9	23.9



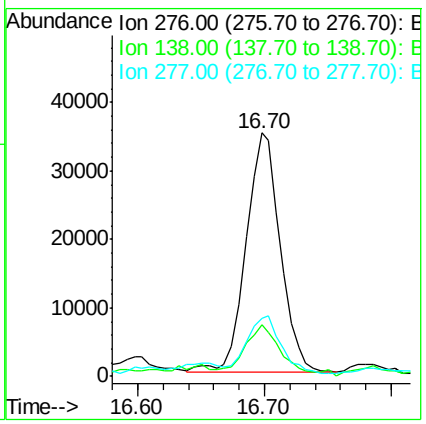


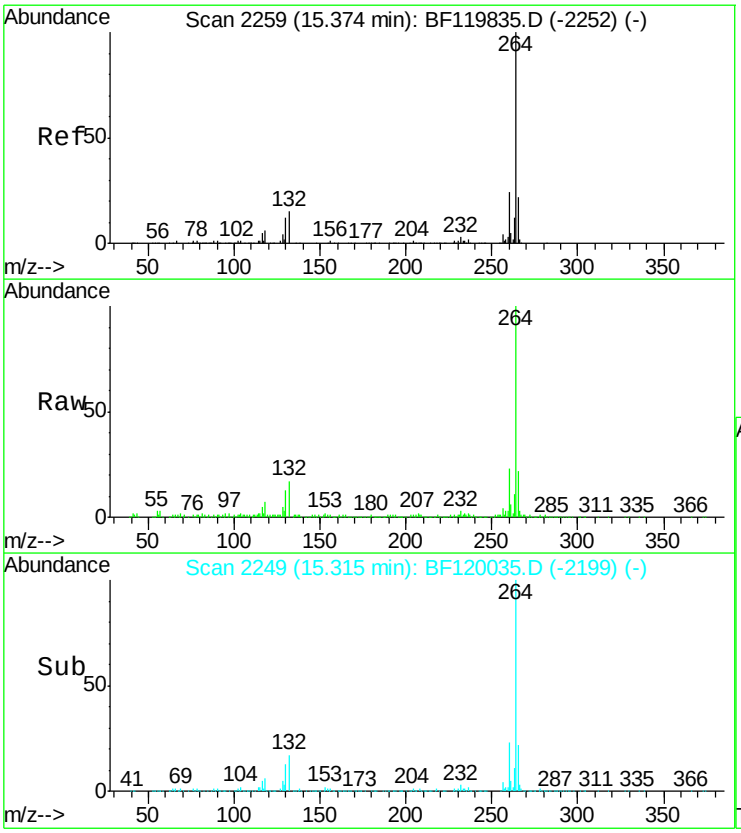
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.258 ng
RT: 16.70 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:276 Resp: 65653

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.0	27.0
277	23.6	20.1	30.1

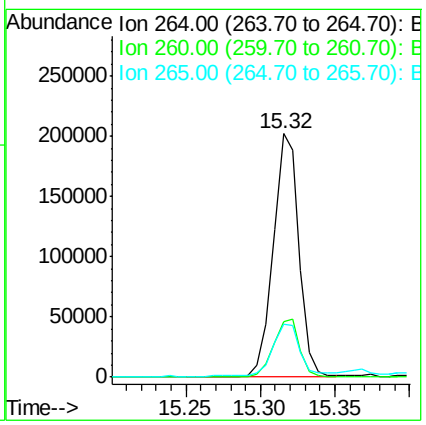


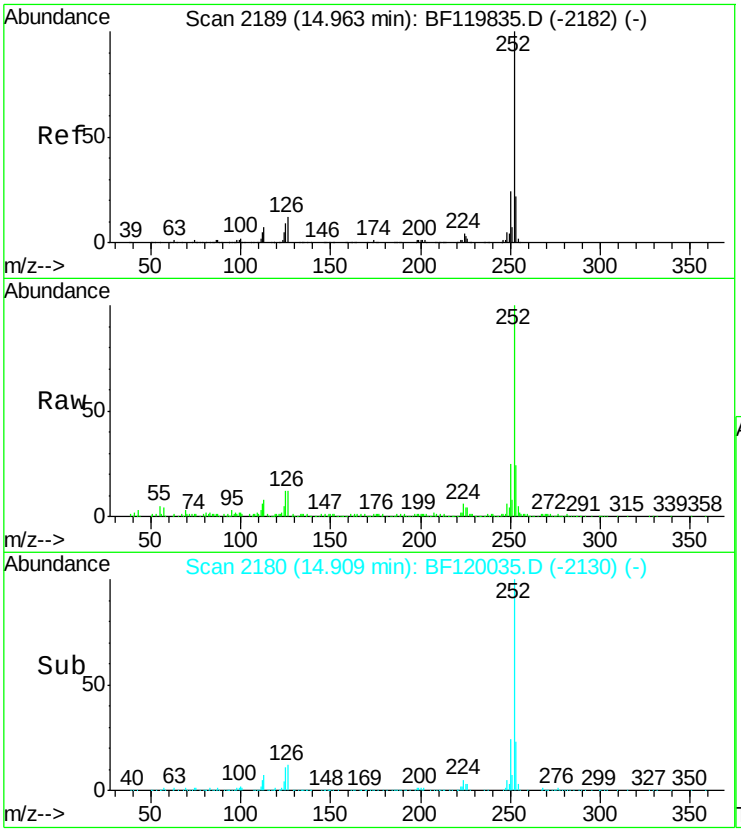


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:264 Resp: 243117

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	21.8	17.6	26.4



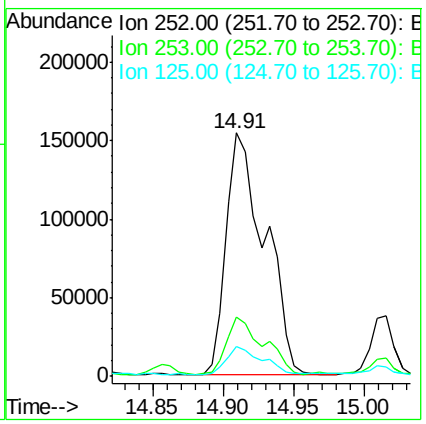


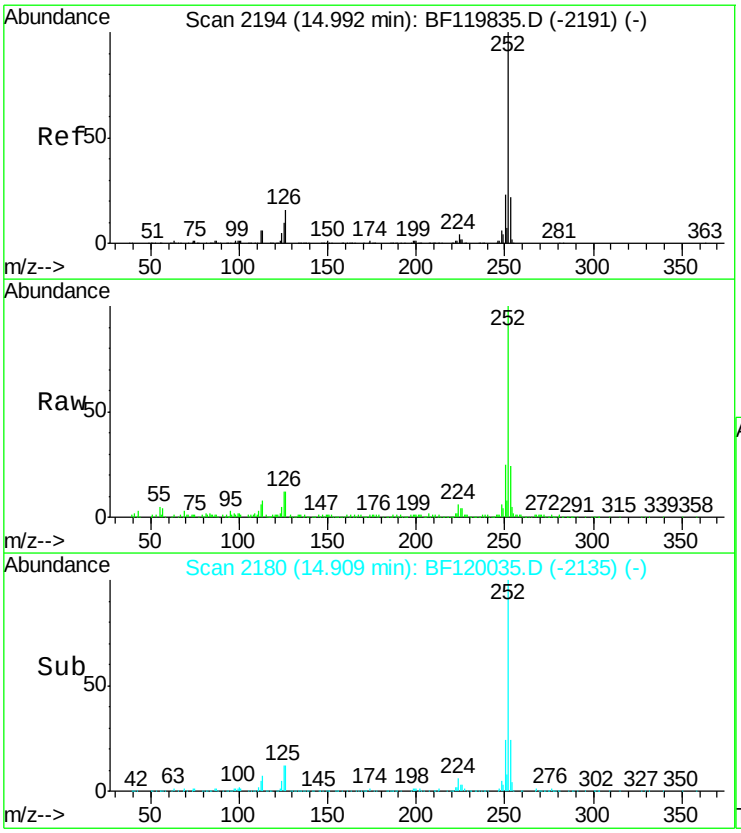
#88
Benzo(b)fluoranthene
Concen: 16.946 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:252 Resp: 296375

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	12.4	7.4	11.2#

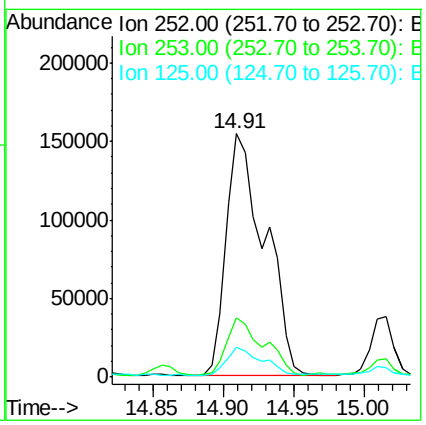


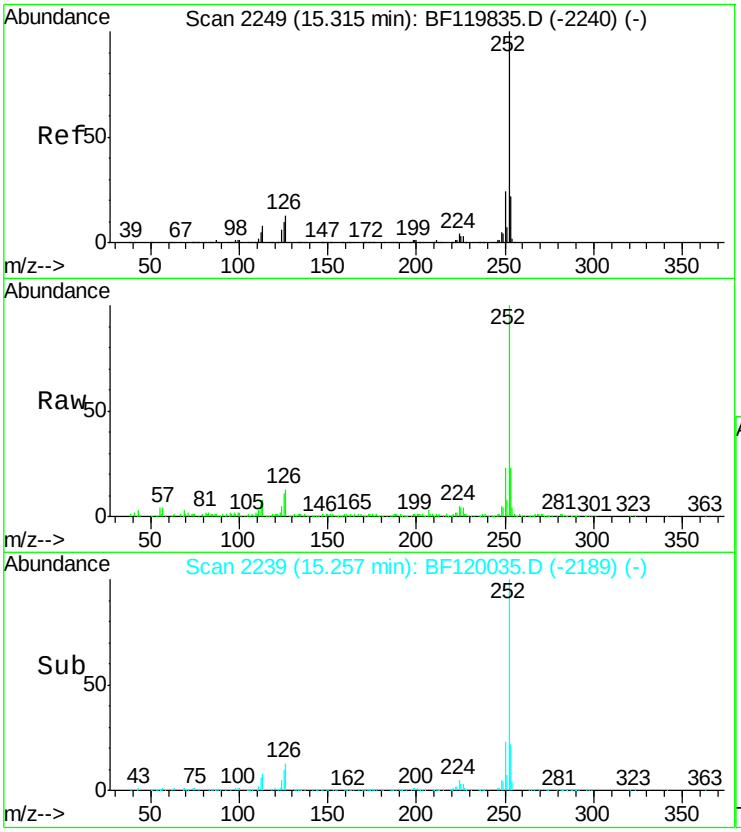


#89
Benzo(k)fluoranthene
Concen: 19.640 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:252 Resp: 296375

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	12.4	7.7	11.5#



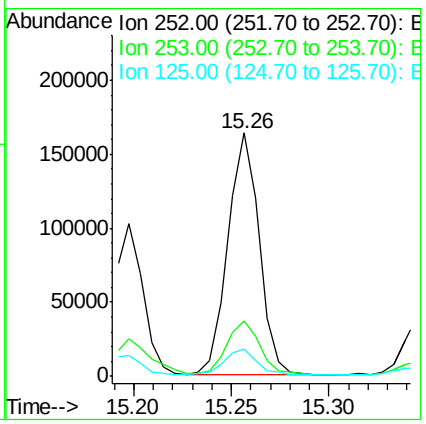


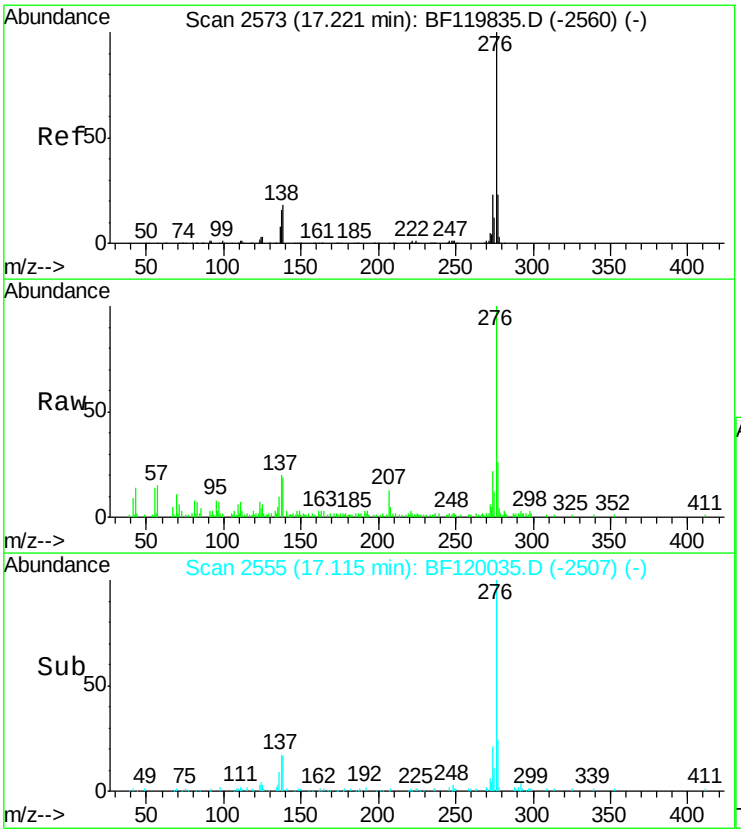
#90
Benzo(a)pyrene
Concen: 12.411 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Instrument :
BNA_F
ClientSampleId :
CL-01-041020

Tgt Ion:252 Resp: 182499

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	11.2	8.3	12.5





#92
Benzo(g,h,i)perylene
Concen: 4.759 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.02 min
Lab File: BF120035.D
Acq: 16 Apr 2020 14:47

Tgt Ion:276 Resp: 61191

Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.5	27.7
138	19.0	14.6	22.0