Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111345.D
Acq On : 13 Dec 2018 2:08
Operator : JU/SJ
Sample : J6214-43 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-5(12.5-14.5)

Quant Time: Dec 13 04:42:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	198691	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	748220	20.00	ng		0.00
39) Acenaphthene-d10	9.83	164	312136	20.00	ng		0.00
64) Phenanthrene-d10	11.32	188	537213	20.00	ng		0.00
76) Chrysene-d12	13.97	240	276060	20.00	ng		0.01
87) Perylene-d12	15.41	264	275757	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	72008	6.13	ng		0.00
7) Phenol-d6	6.42	99	89321	5.64	ng		-0.01
23) Nitrobenzene-d5	7.35	82	40581	3.06	ng		-0.02
42) 2,4,6-Tribromophenol	10.62	330	14196	5.16	ng		0.00
45) 2-Fluorobiphenyl	9.15	172	92108	4.74	ng		0.00
79) Terphenyl-d14	12.90	244	81303	6.48	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.33	77	438	Below Cal		#	50
31) Naphthalene	8.10	128	86327	2.476	ng		96
51) 2,6-Dinitrotoluene	9.83	165	50541	10.158	ng	#	30
52) Acenaphthene	9.86	154	293131	15.596	ng		99
55) Dibenzofuran	10.03	168	178418	6.576	ng	#	95
58) Fluorene	10.38	166	317224	16.344	ng		98
66) n-Nitrosodiphenylamine	10.49	169	43604	2.282	ng	#	57
71) Phenanthrene	11.35	178	4531202	163.185	ng		100
72) Anthracene	11.40	178	1653362	58.477	ng		97
73) Carbazole	11.55	167	257851	8.820	ng		96
75) Fluoranthene	12.56	202	7139420	263.377	ng		93
78) Pyrene	12.79	202	7189292	337.438	ng		94
81) Benzo(a)anthracene	13.96	228	3395319	219.819	ng		97
83) Chrysene	14.00	228	2934382	186.206	ng		98
86) Indeno(1,2,3-cd)pyrene	16.84	276	1297573	105.277	ng		94
88) Benzo(b)fluoranthene	15.00	252	4114808	262.415	ng		99
89) Benzo(k)fluoranthene	15.00	252	4114808	262.897	ng		98
90) Benzo(a)pyrene	15.36	252	2450304	167.828	ng		97
91) Dibenzo(a,h)anthracene	16.84	278	331415	27.283	ng		94
92) Benzo(g,h,i)perylene	17.27	276	1257732	103.563	ng		95

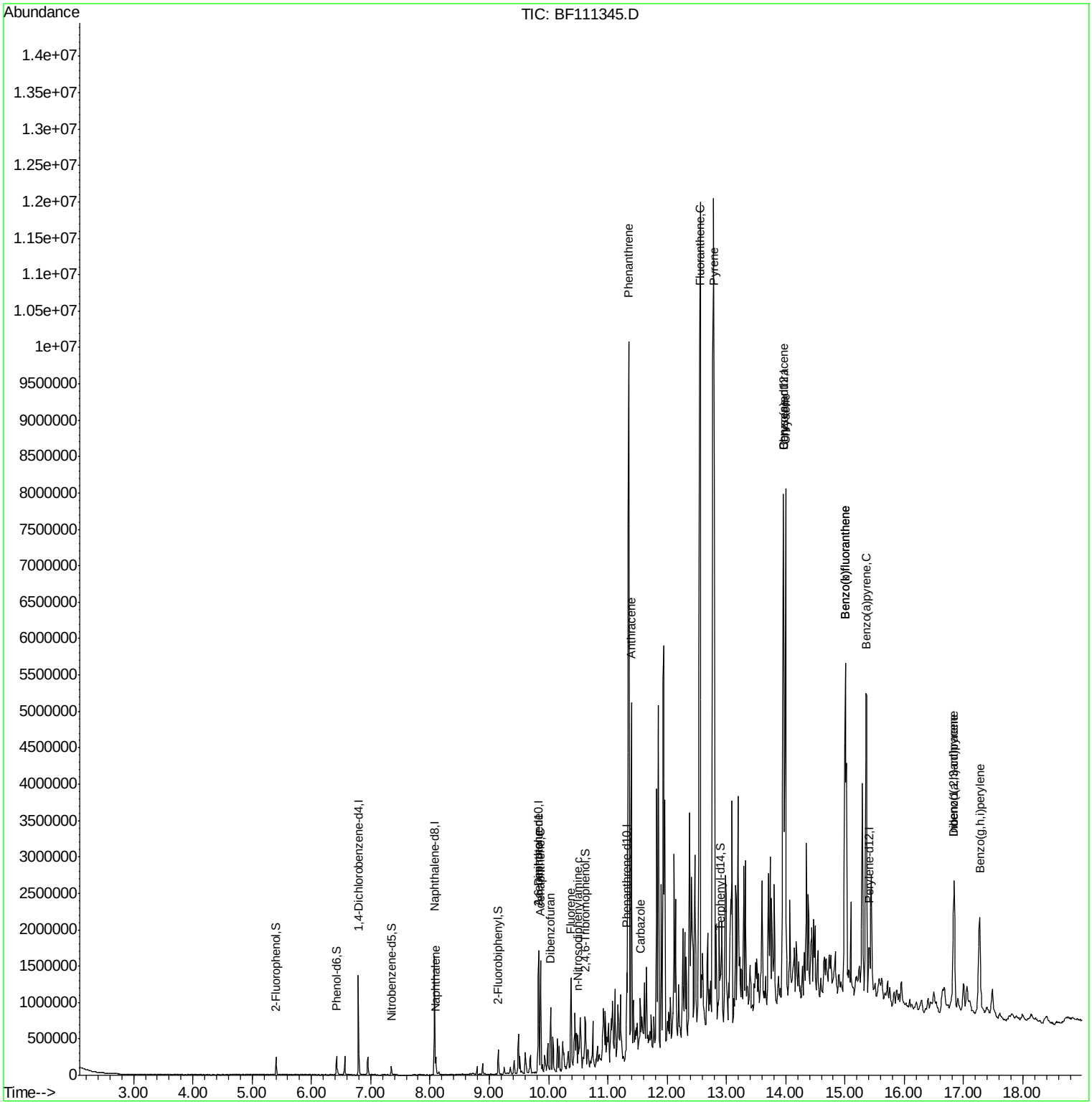
(#) = qualifier out of range (m) = manual integration (+) = signals summed

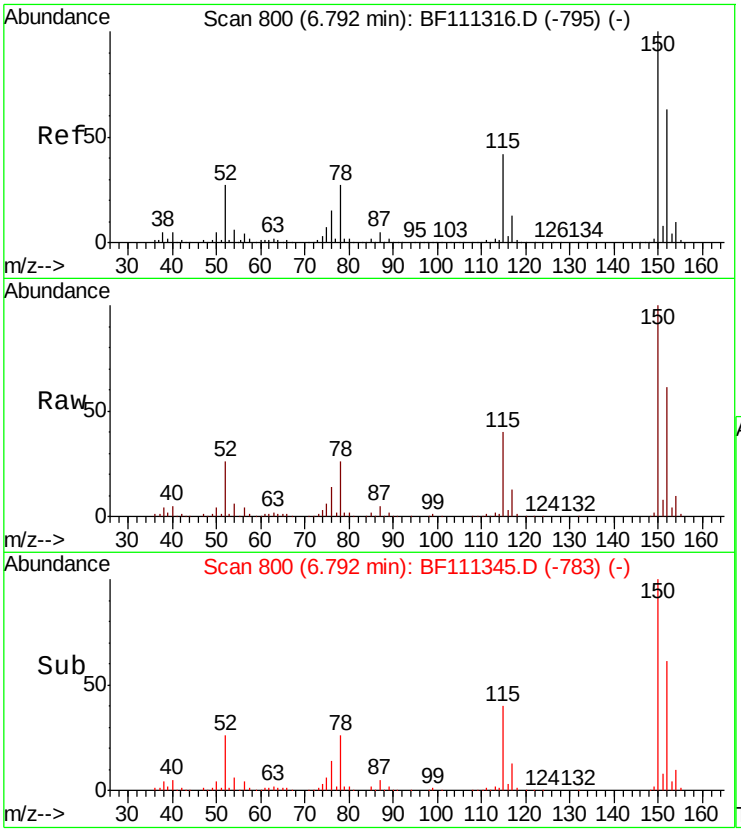
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111345.D
Acq On : 13 Dec 2018 2:08
Operator : JU/SJ
Sample : J6214-43 20X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Quant Time: Dec 13 04:42:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration



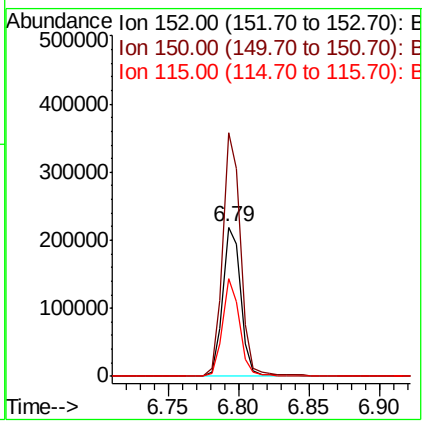


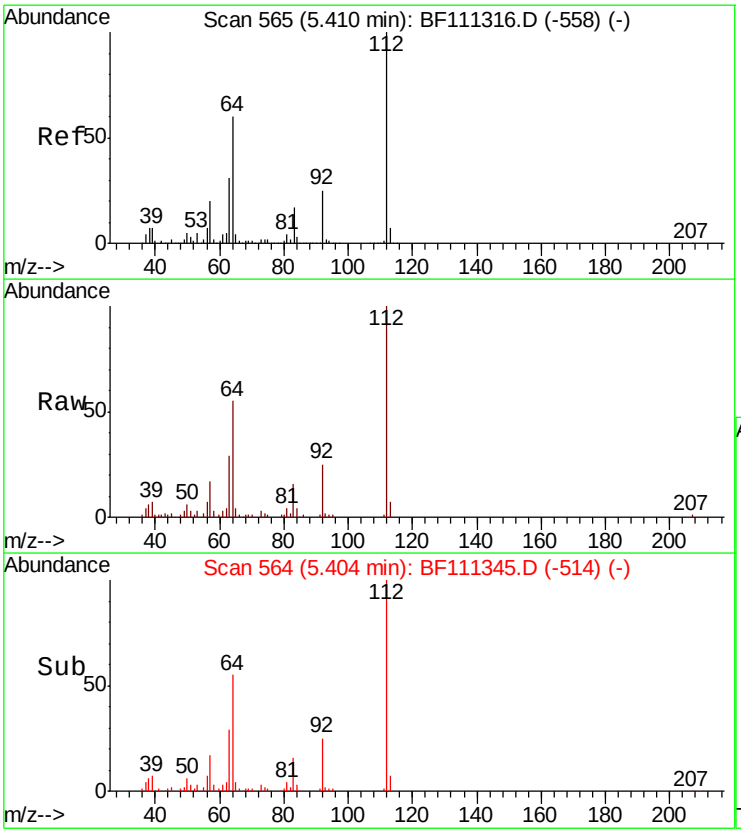
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:152 Resp: 198691

Ion	Ratio	Lower	Upper
152	100		
150	163.3	126.6	189.8
115	65.7	50.7	76.1

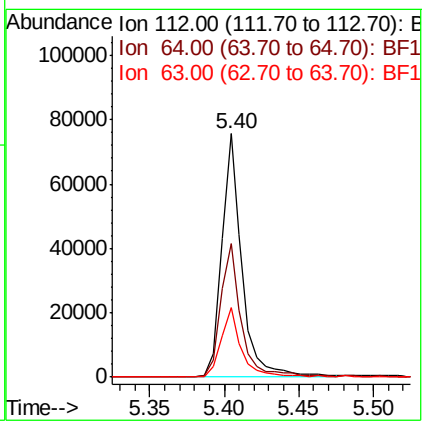


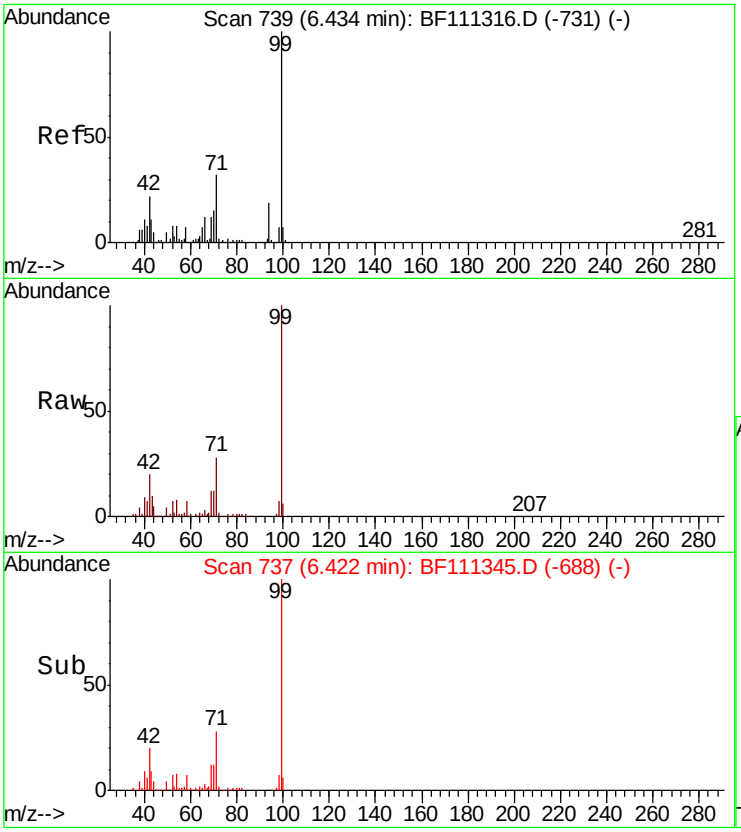


#5
2-Fluorophenol
Concen: 6.128 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:112 Resp: 72008

Ion	Ratio	Lower	Upper
112	100		
64	54.6	51.8	77.6
63	28.7	26.8	40.2



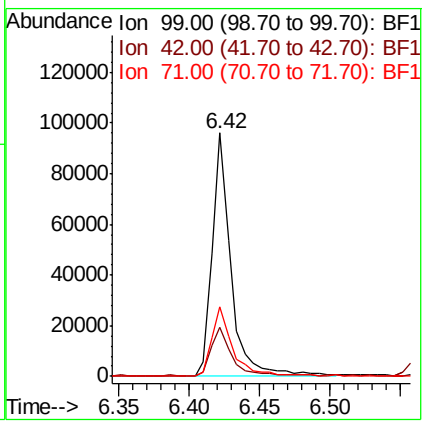


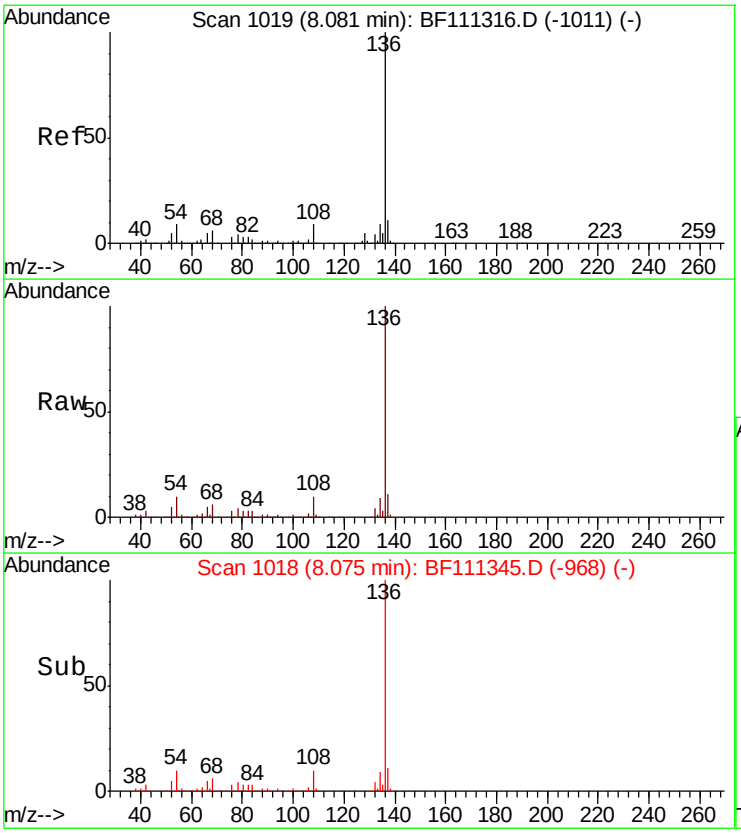
#7
Phenol-d6
Concen: 5.638 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion: 99 Resp: 89321

Ion	Ratio	Lower	Upper
99	100		
42	20.2	17.4	26.0
71	28.4	26.1	39.1

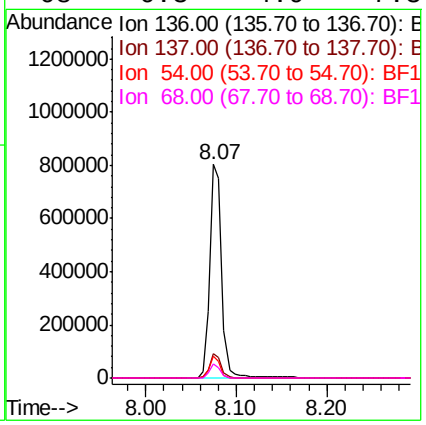


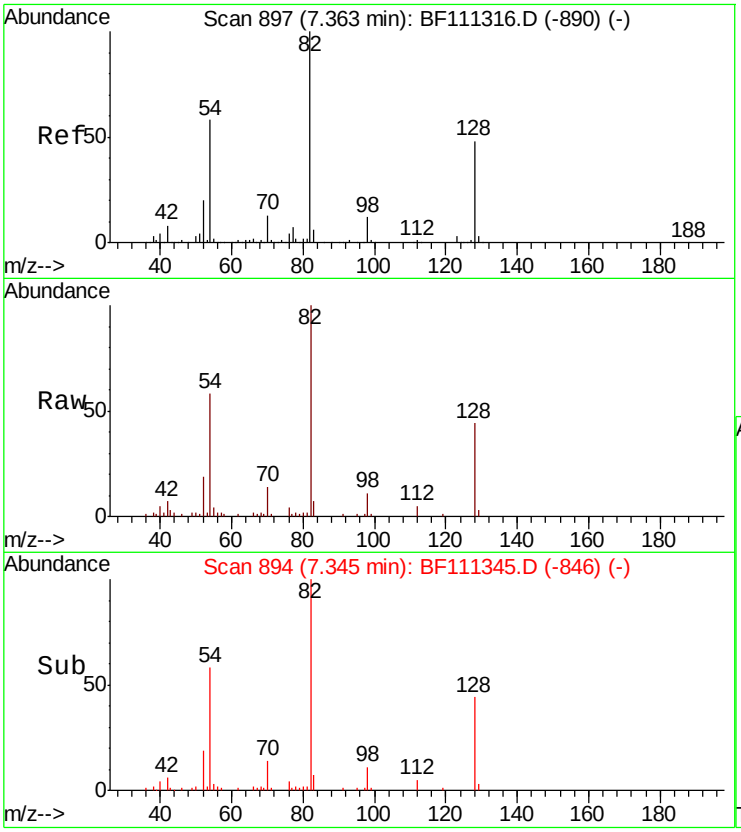


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:136 Resp: 748220

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	10.1	7.7	11.5
68	6.3	4.9	7.3



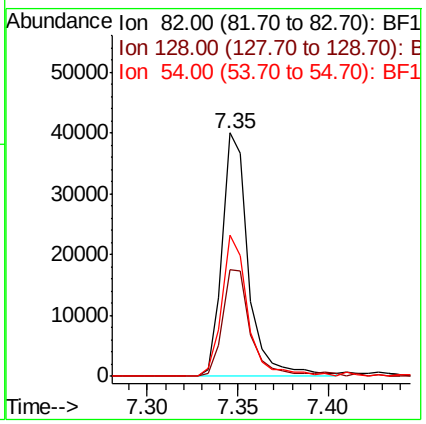


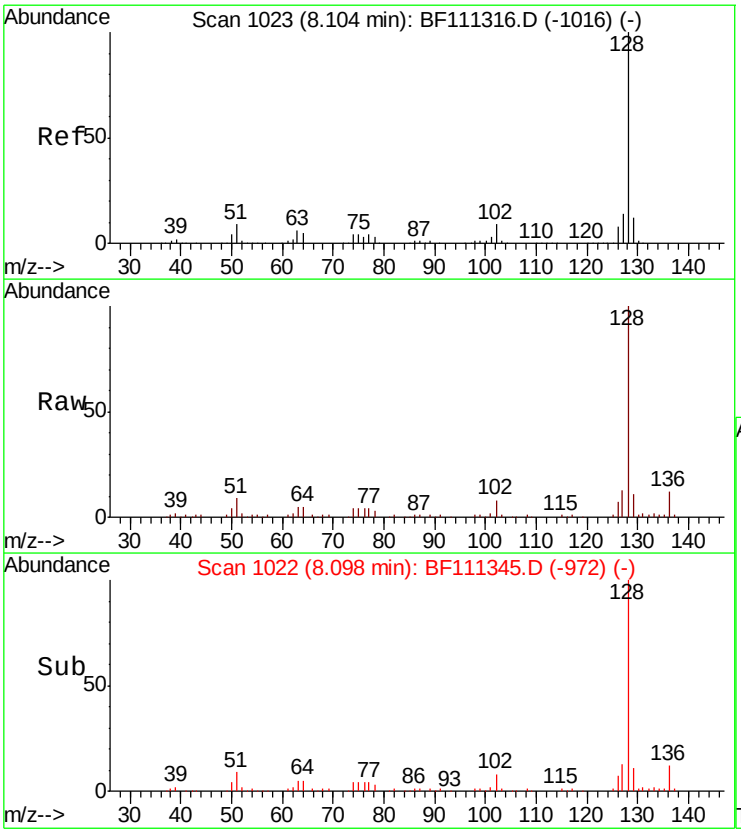
#23
Nitrobenzene-d5
Concen: 3.057 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion: 82 Resp: 40581

Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.4	56.2
54	58.0	47.6	71.4

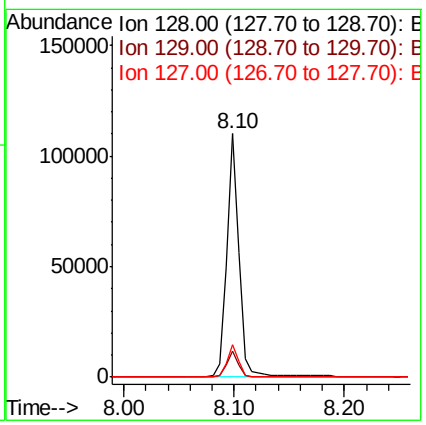


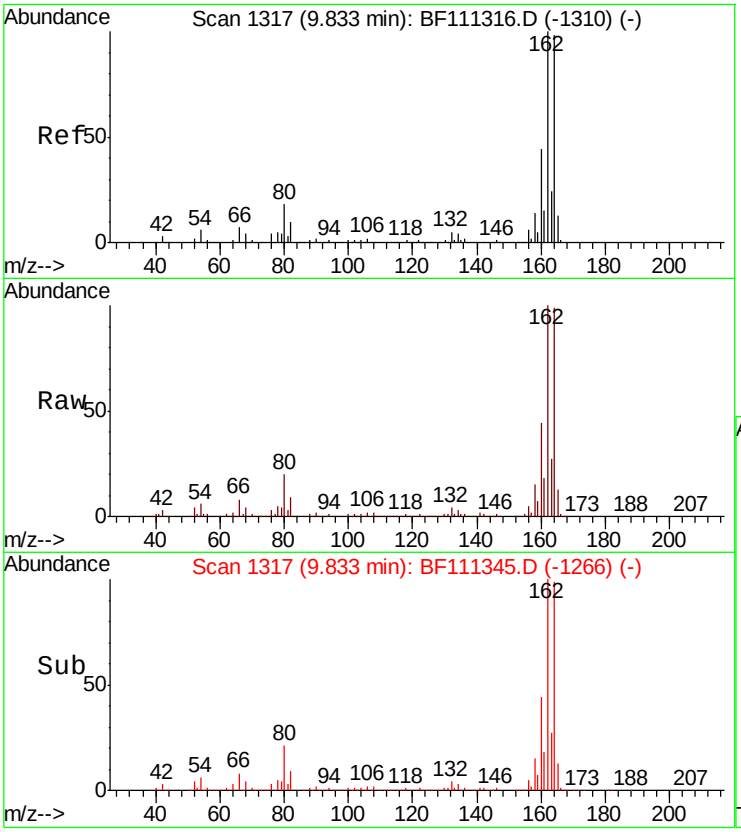


#31
Naphthalene
Concen: 2.476 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:128 Resp: 86327

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.8	14.8
127	13.1	12.0	18.0



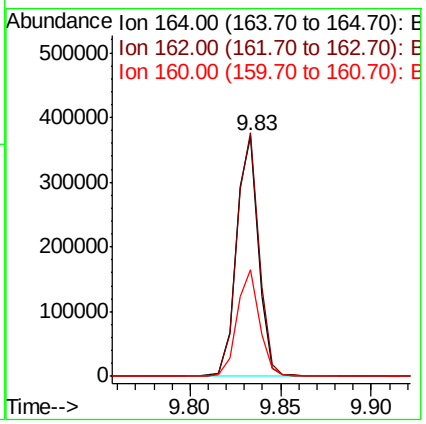


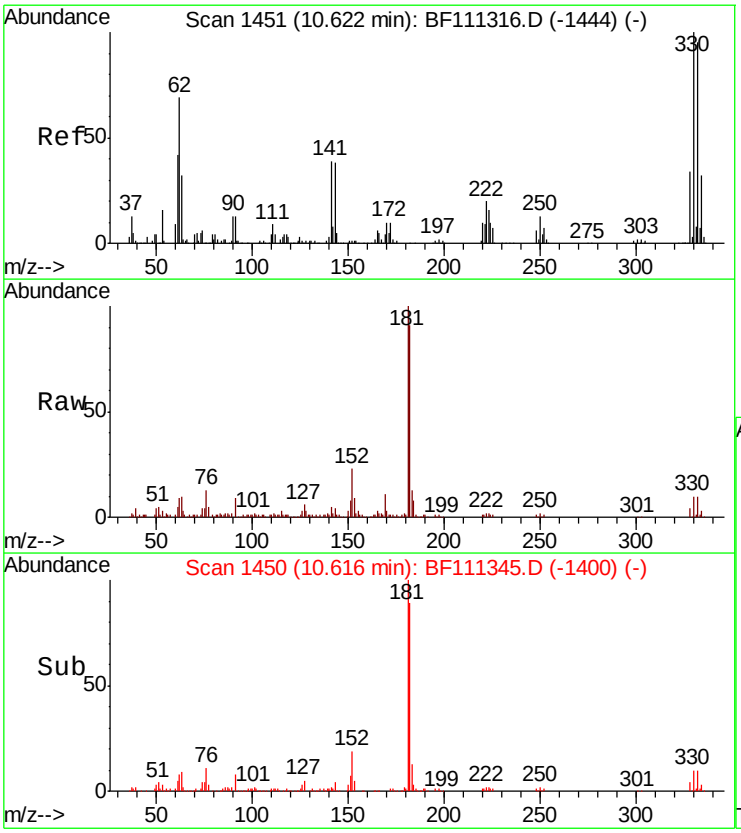
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:164 Resp: 312136

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.4	122.0
160	44.4	35.7	53.5

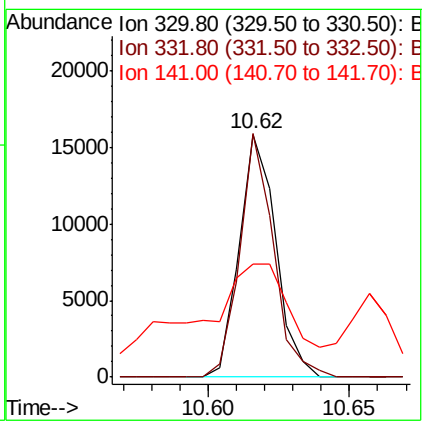


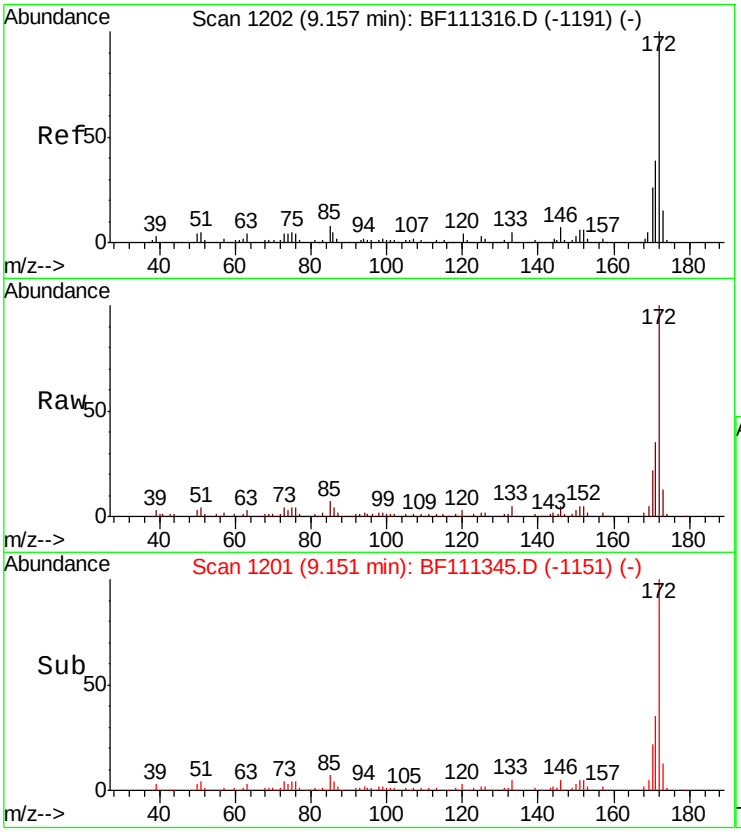


#42
2,4,6-Tribromophenol
Concen: 5.159 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:330 Resp: 14196

Ion	Ratio	Lower	Upper
330	100		
332	92.9	76.0	114.0
141	84.3	31.0	46.6#



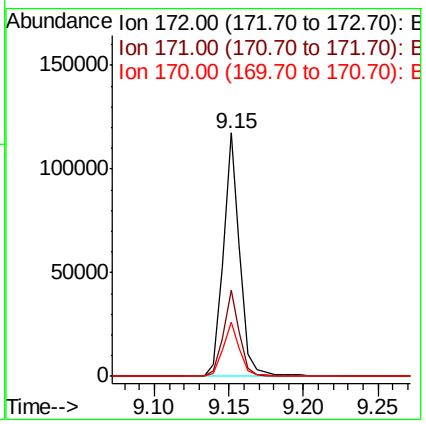


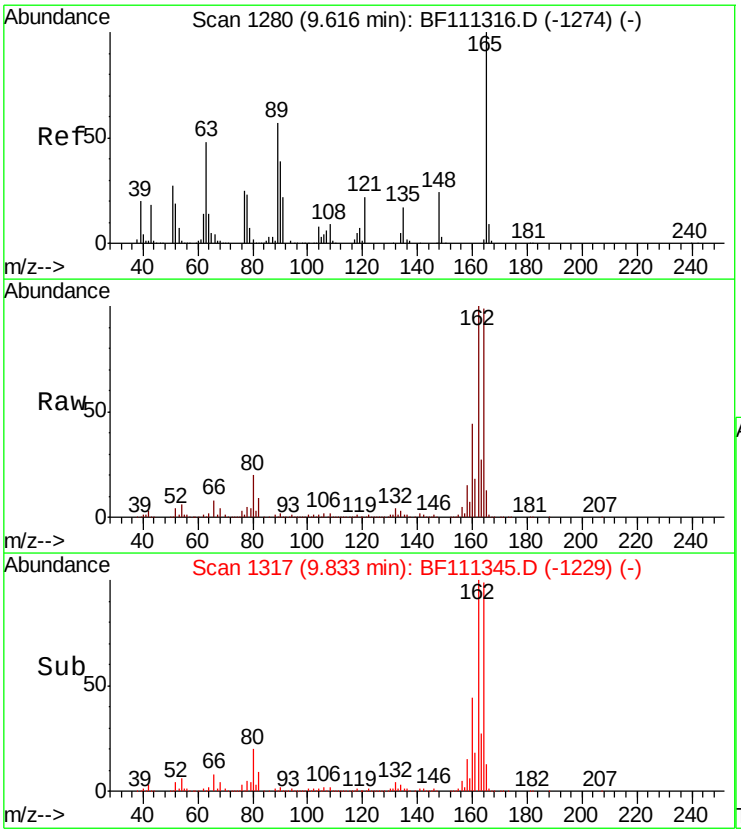
#45
2-Fluorobiphenyl
Concen: 4.738 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:172 Resp: 92108

Ion	Ratio	Lower	Upper
172	100		
171	35.1	33.0	49.4
170	22.3	22.3	33.5#

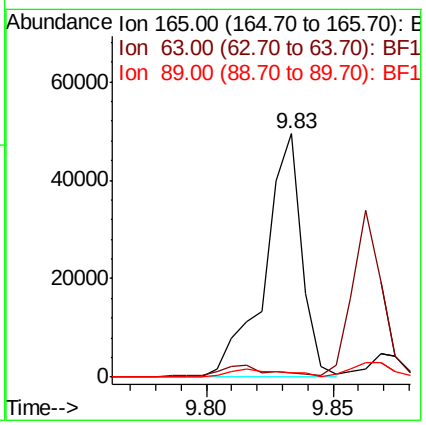


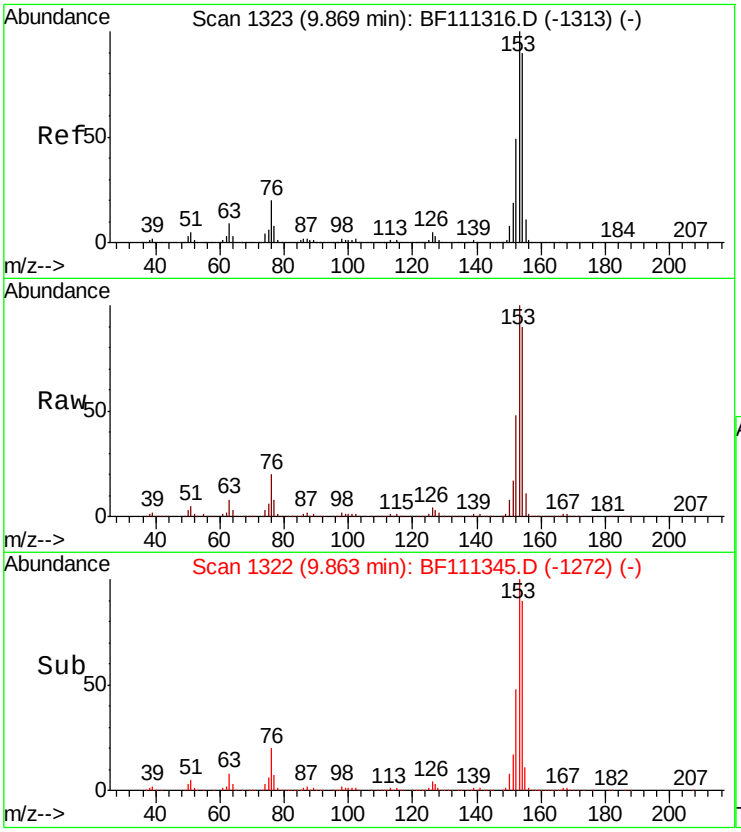


#51
2,6-Dinitrotoluene
Concen: 10.158 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:165 Resp: 50541

Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.5	60.7#
89	1.8	40.0	60.0#



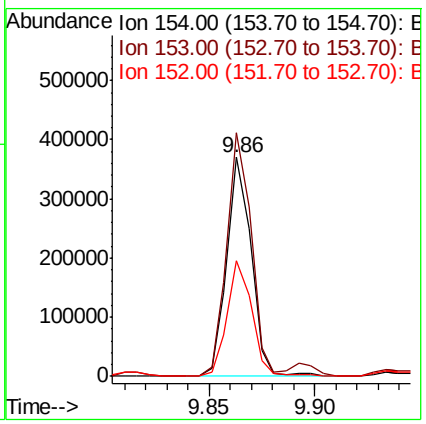


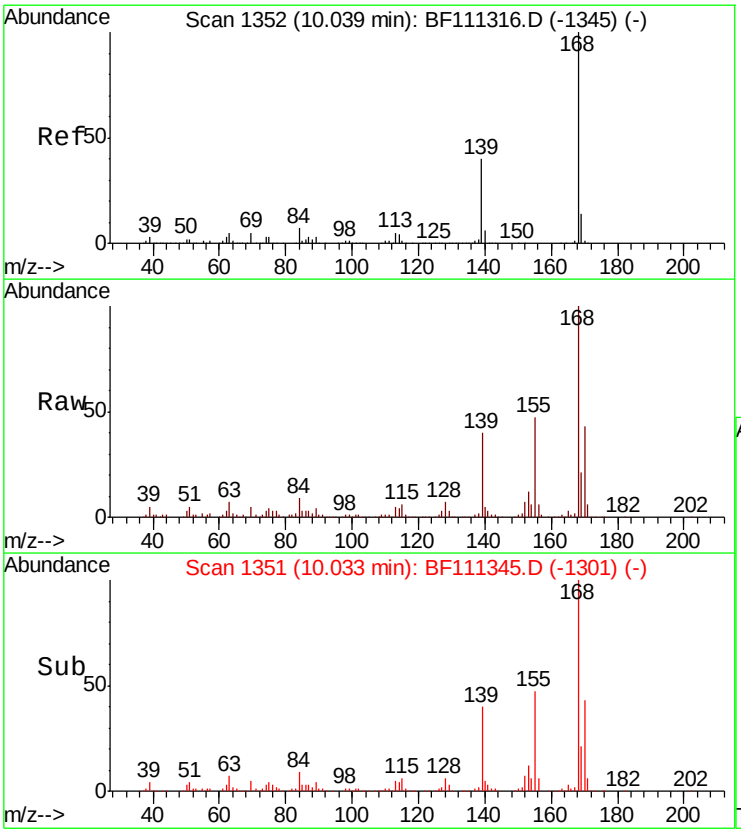
#52
Acenaphthene
Concen: 15.596 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:154 Resp: 293131

Ion	Ratio	Lower	Upper
154	100		
153	111.1	87.8	131.8
152	53.0	43.4	65.2

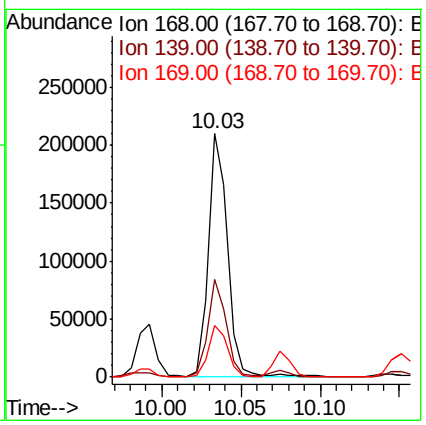


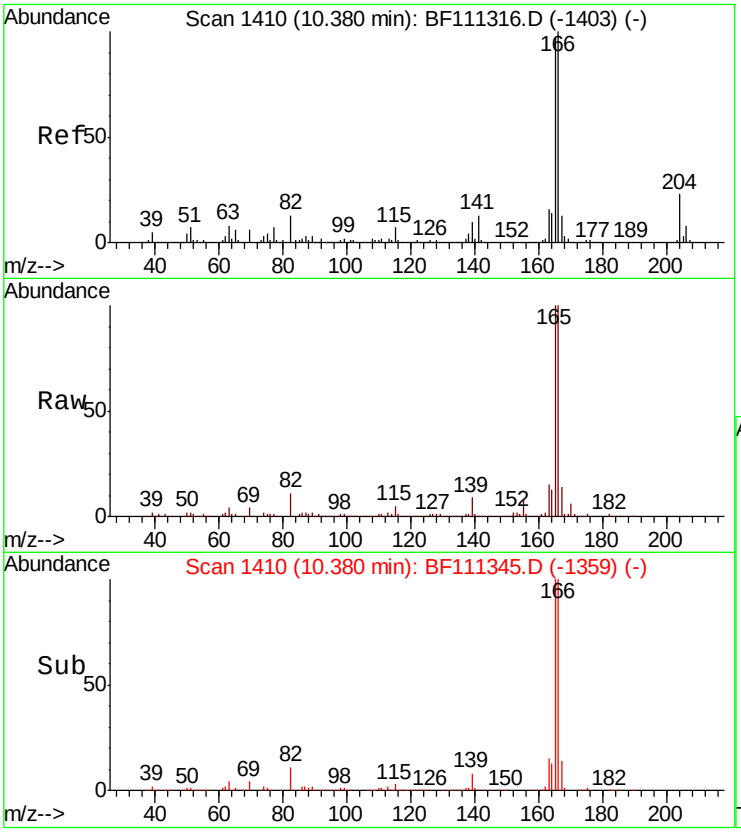


#55
Dibenzofuran
Concen: 6.576 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:168 Resp: 178418

Ion	Ratio	Lower	Upper
168	100		
139	40.2	32.6	49.0
169	21.4	11.8	17.6#



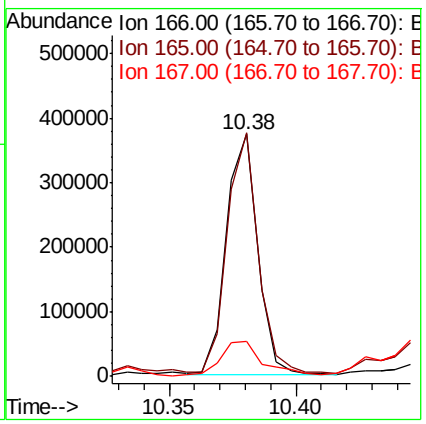


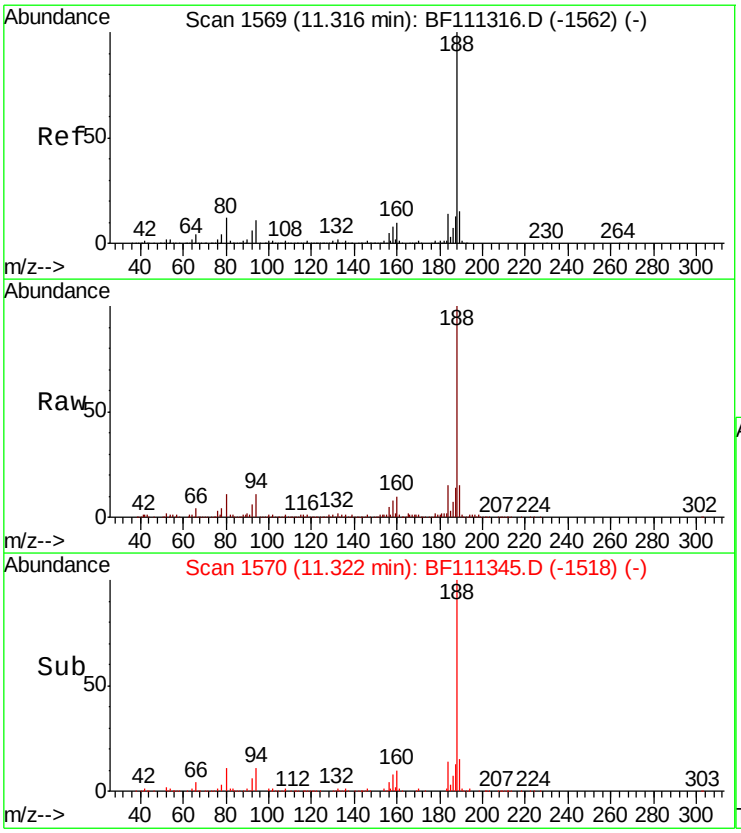
#58
Fluorene
Concen: 16.344 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:166 Resp: 317224

Ion	Ratio	Lower	Upper
166	100		
165	100.5	78.4	117.6
167	14.2	11.2	16.8

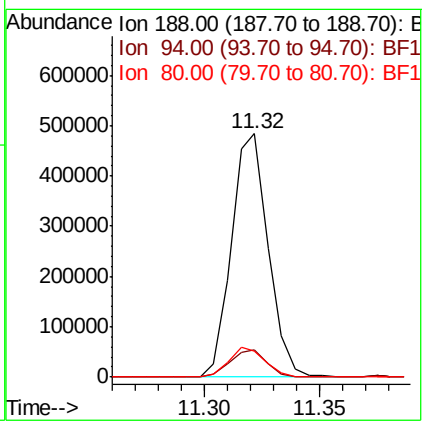


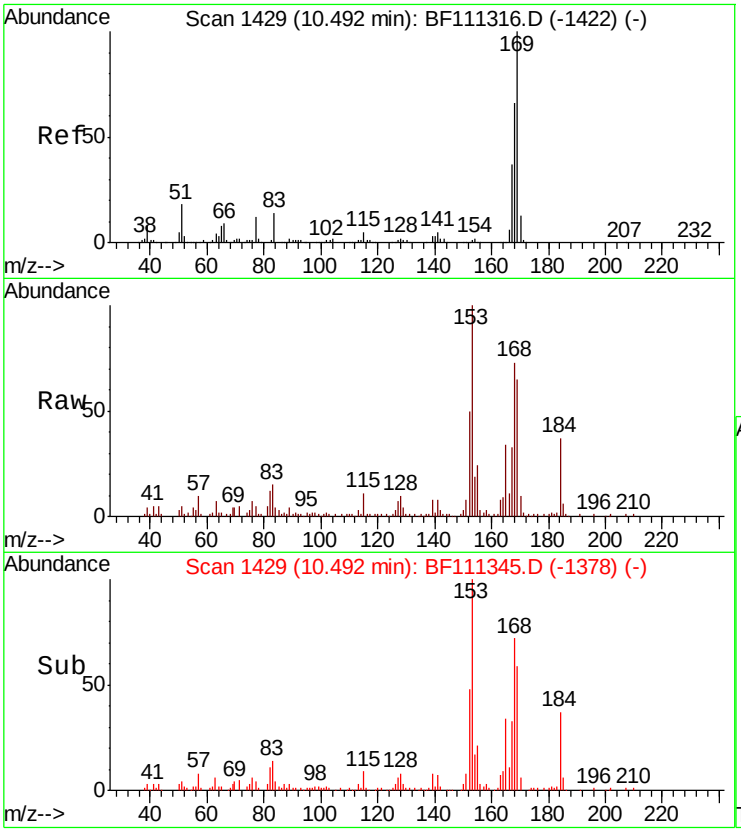


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:188 Resp: 537213

Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.6	14.4
80	10.8	9.8	14.6



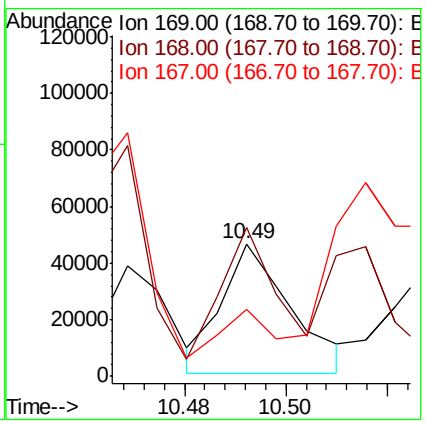


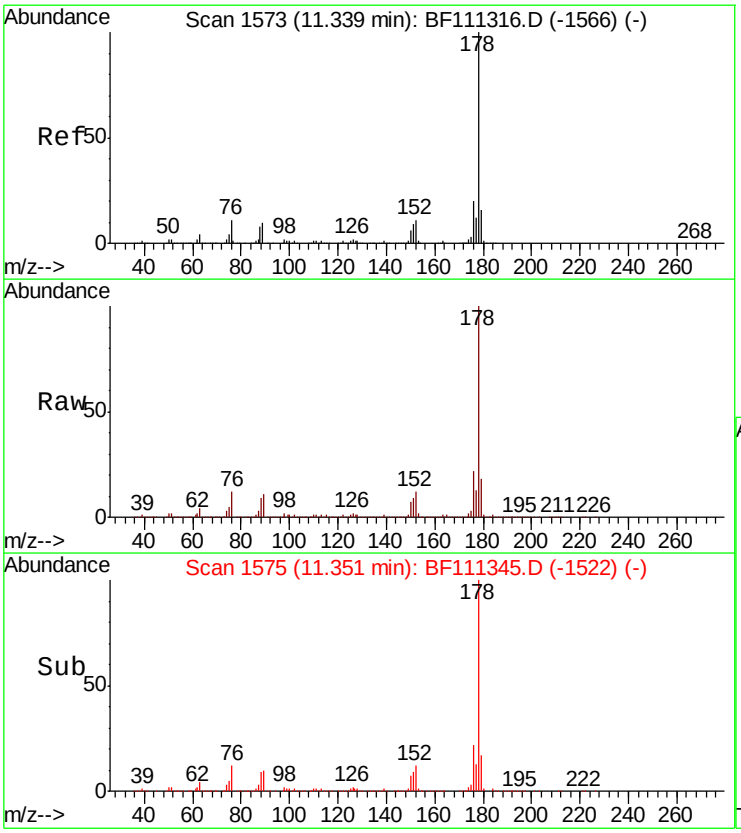
#66
n-Nitrosodiphenylamine
Concen: 2.282 ng
RT: 10.49 min Scan# 1429
Delta R.T. 0.00 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:169 Resp: 43604

Ion	Ratio	Lower	Upper
169	100		
168	112.3	54.4	81.6#
167	50.8	30.5	45.7#

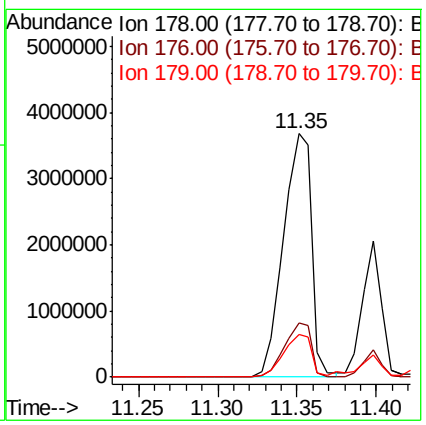


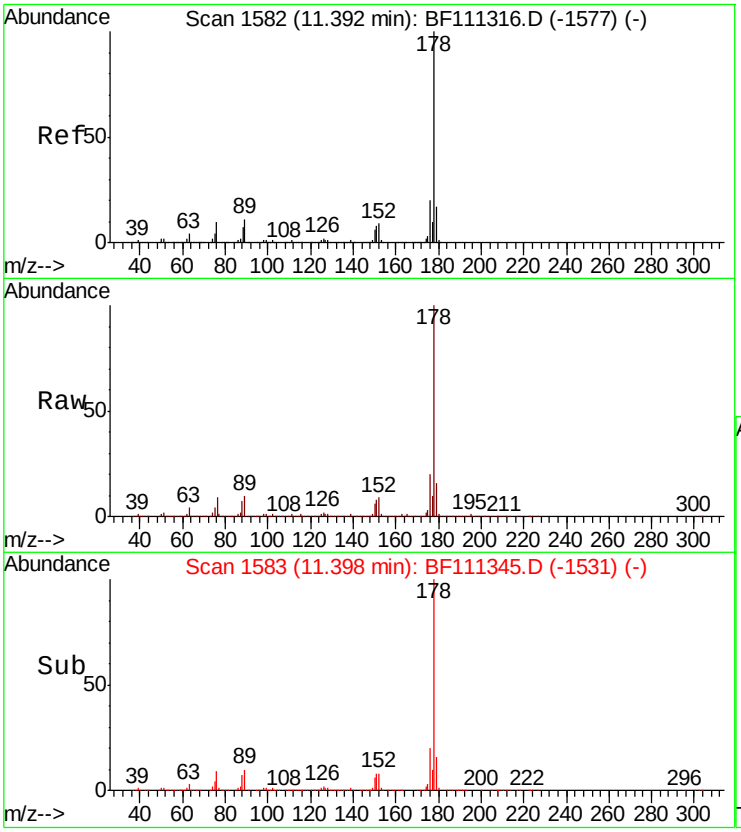


#71
Phenanthrene
Concen: 163.185 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:178 Resp: 4531202

Ion	Ratio	Lower	Upper
178	100		
176	22.5	18.1	27.1
179	17.7	14.0	21.0



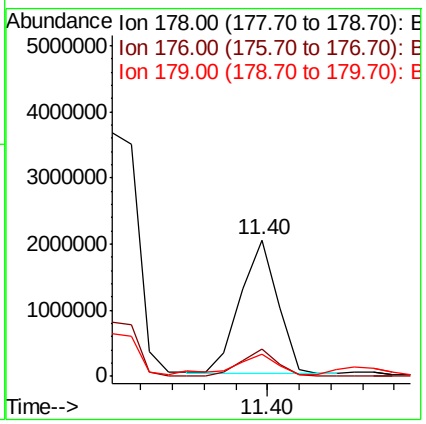


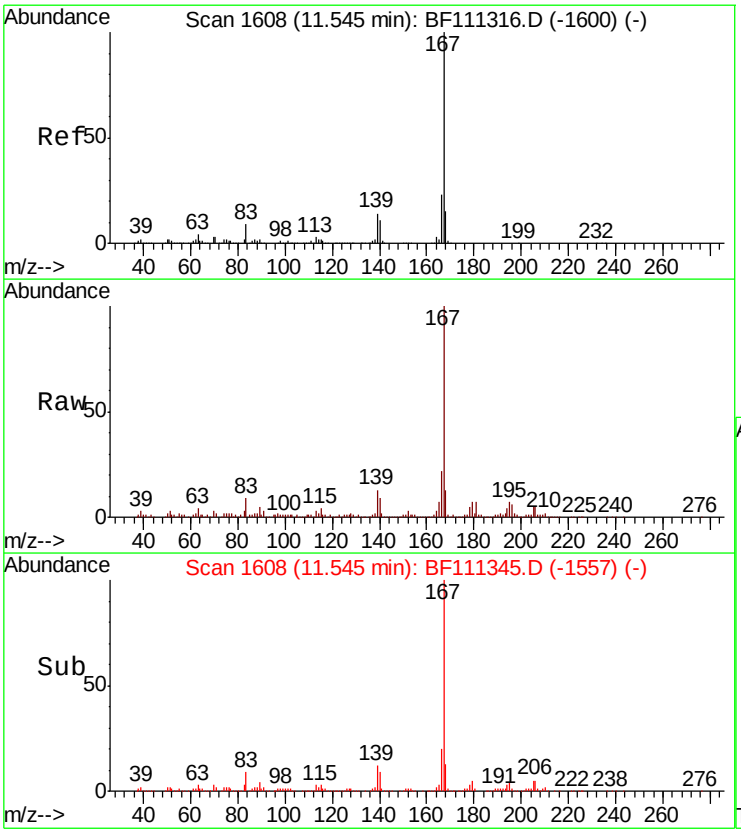
#72
Anthracene
Concen: 58.477 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:178 Resp: 1653362

Ion	Ratio	Lower	Upper
178	100		
176	19.8	17.2	25.8
179	16.2	13.8	20.8

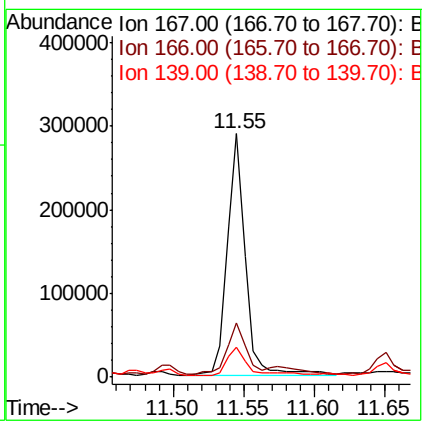


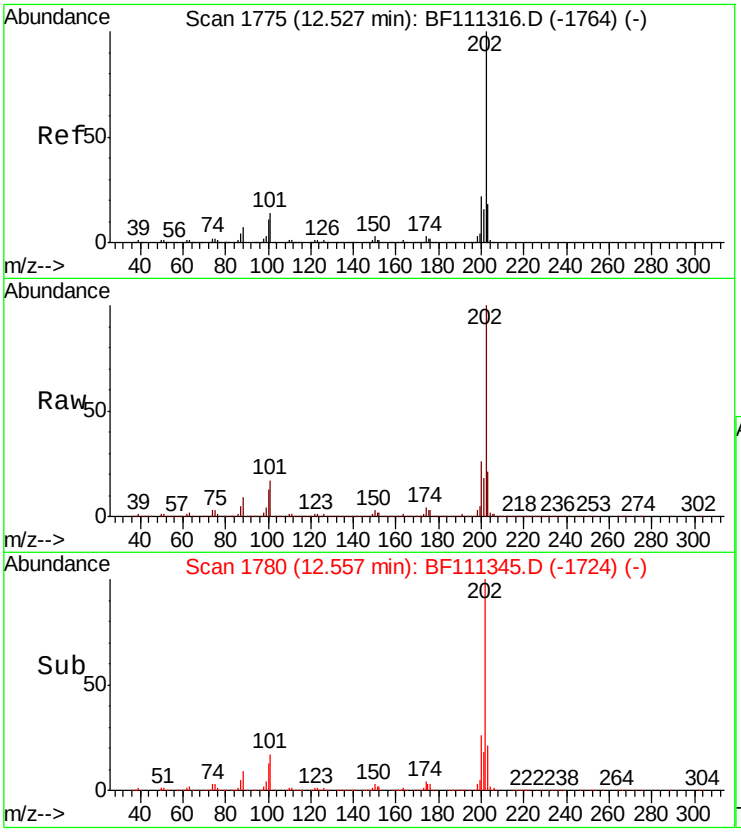


#73
Carbazole
Concen: 8.820 ng
RT: 11.55 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:167 Resp: 257851

Ion	Ratio	Lower	Upper
167	100		
166	22.4	19.3	28.9
139	12.5	11.9	17.9



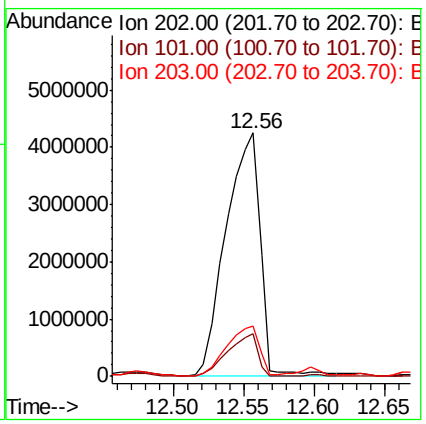


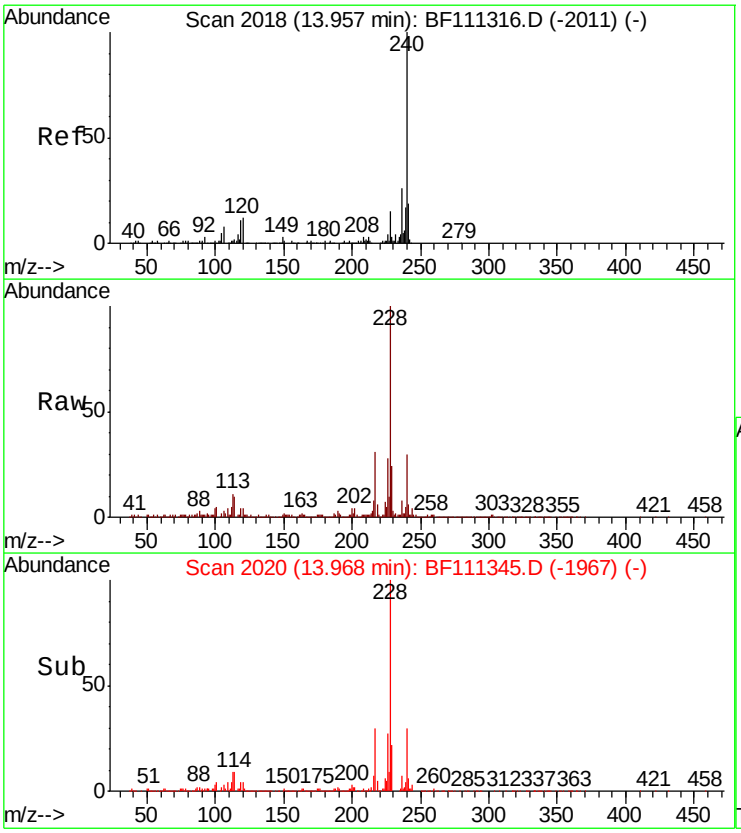
#75
Fluoranthene
Concen: 263.377 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.03 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:202 Resp: 7139420

Ion	Ratio	Lower	Upper
202	100		
101	17.3	0.0	33.8
203	20.9	0.0	38.6

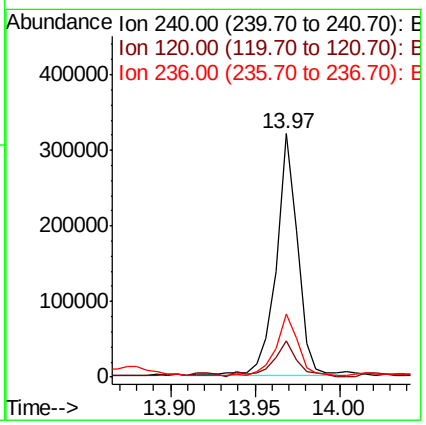


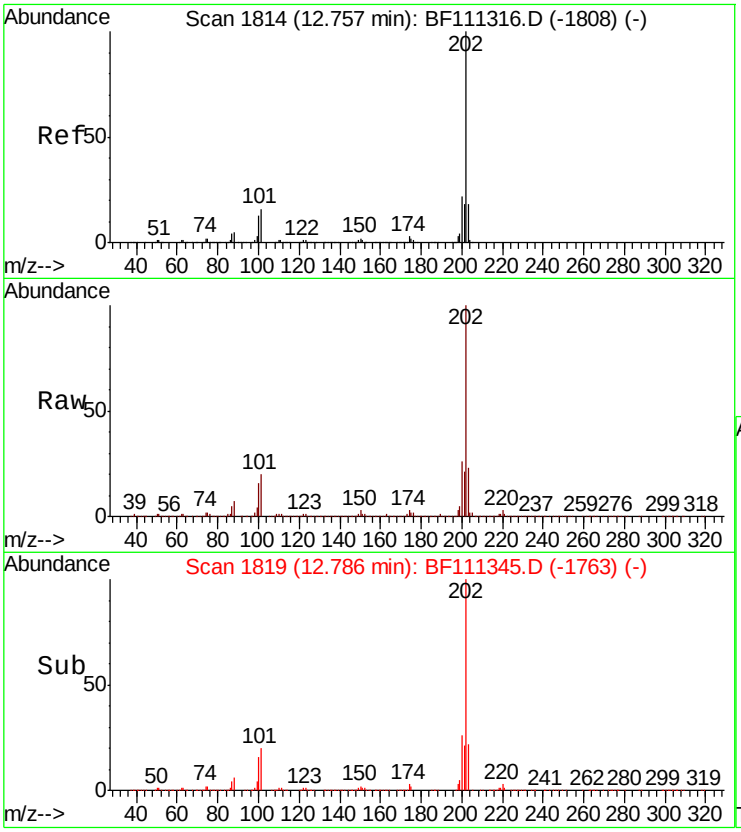


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:240 Resp: 276060

Ion	Ratio	Lower	Upper
240	100		
120	14.9	12.2	18.2
236	26.0	20.2	30.2



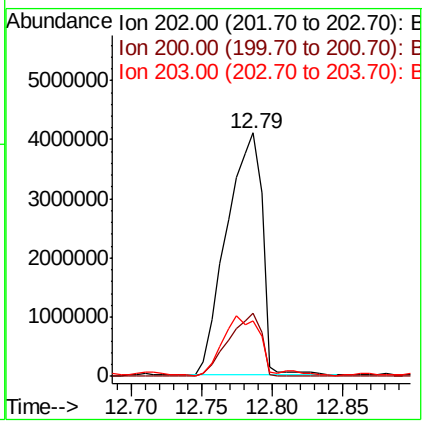


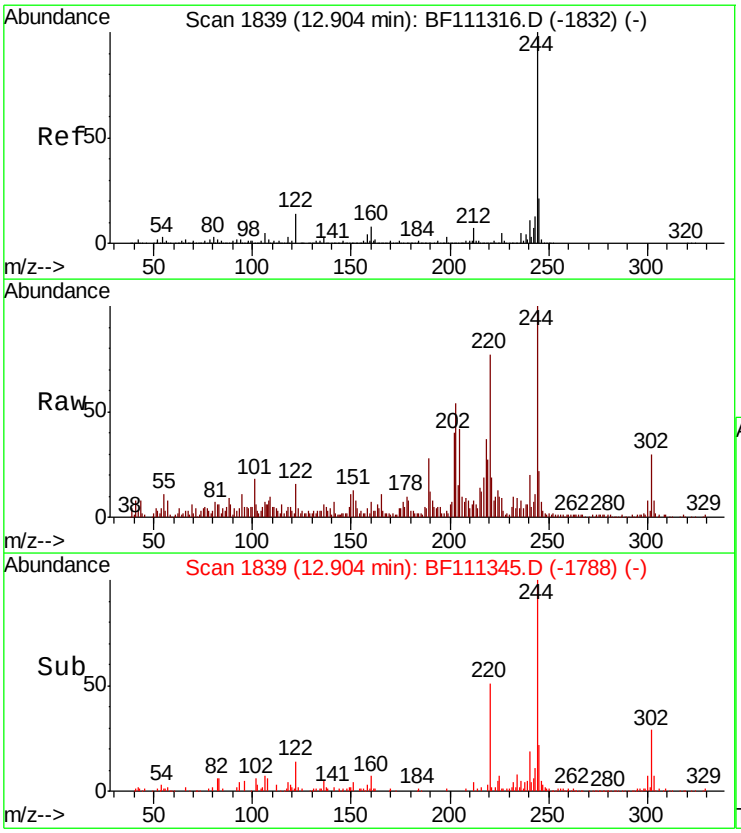
#78
Pyrene
Concen: 337.438 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.03 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:202 Resp: 7189292

Ion	Ratio	Lower	Upper
202	100		
200	25.7	19.0	28.4
203	22.6	15.2	22.8

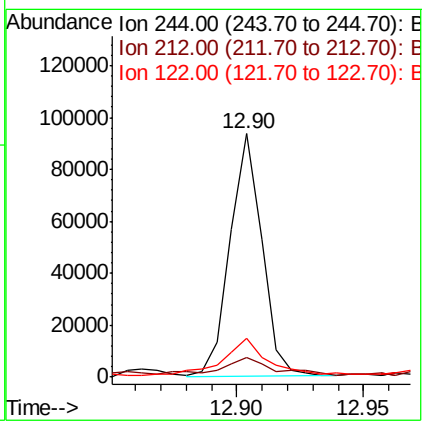


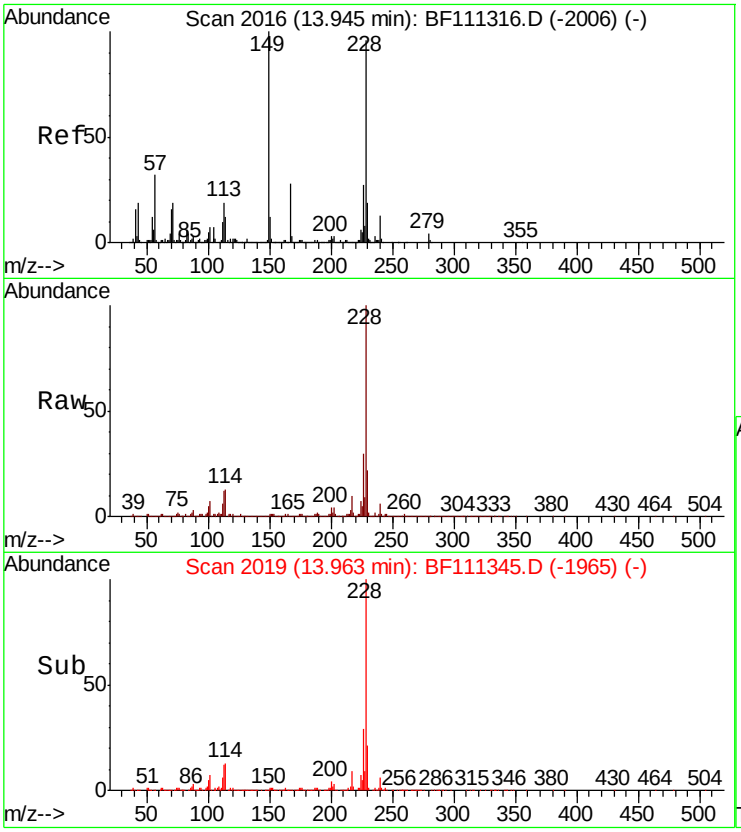


#79
Terphenyl-d14
Concen: 6.482 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:244 Resp: 81303

Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.7	8.5
122	15.9	13.1	19.7



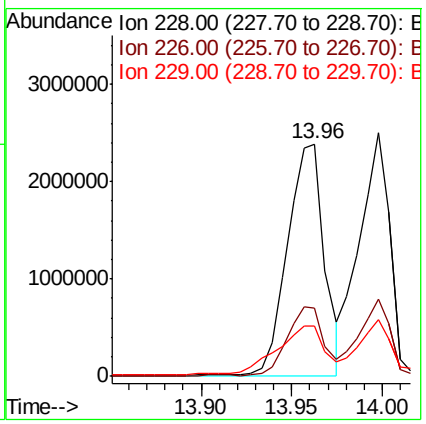


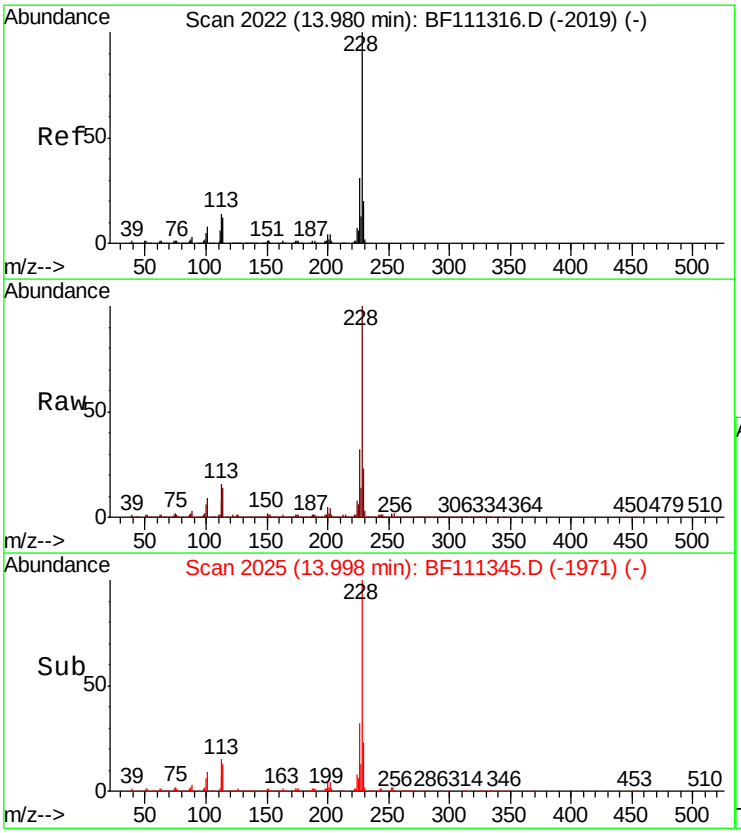
#81
Benzo(a)anthracene
Concen: 219.819 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.02 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:228 Resp: 3395319

Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	34.0
229	21.7	16.3	24.5

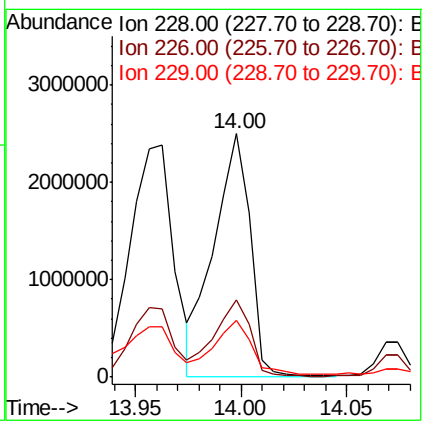


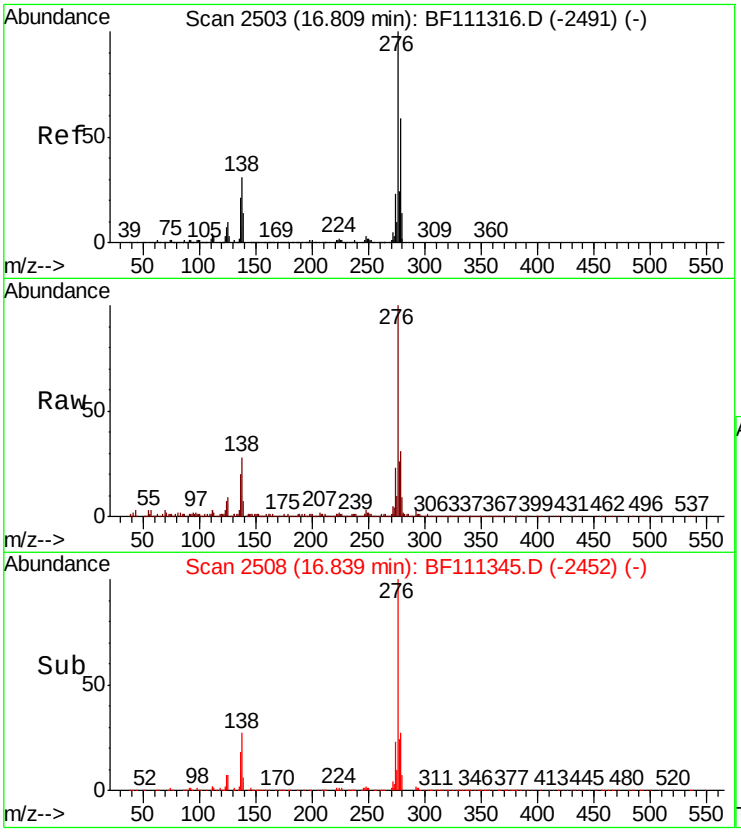


#83
Chrysene
Concen: 186.206 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.02 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:228 Resp: 2934382

Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.3	37.9
229	23.4	17.2	25.8



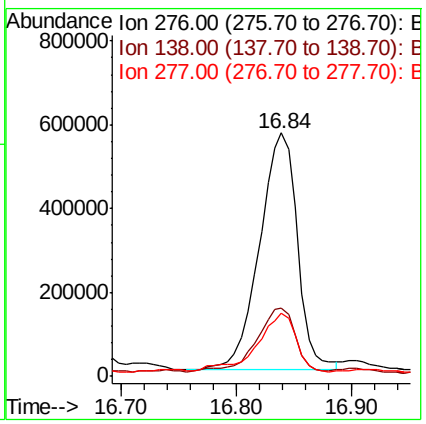


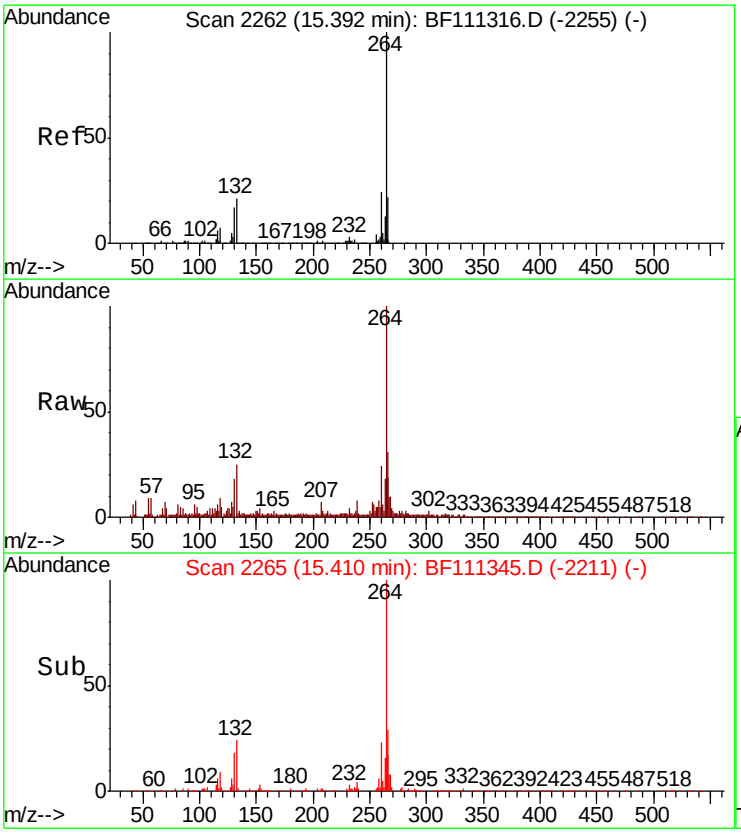
#86
Indeno(1,2,3-cd)pyrene
Concen: 105.277 ng
RT: 16.84 min Scan# 2508
Delta R.T. 0.03 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:276 Resp: 1297573

Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	25.6	20.1	30.1

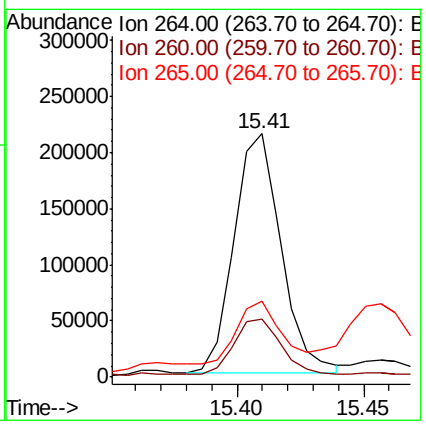


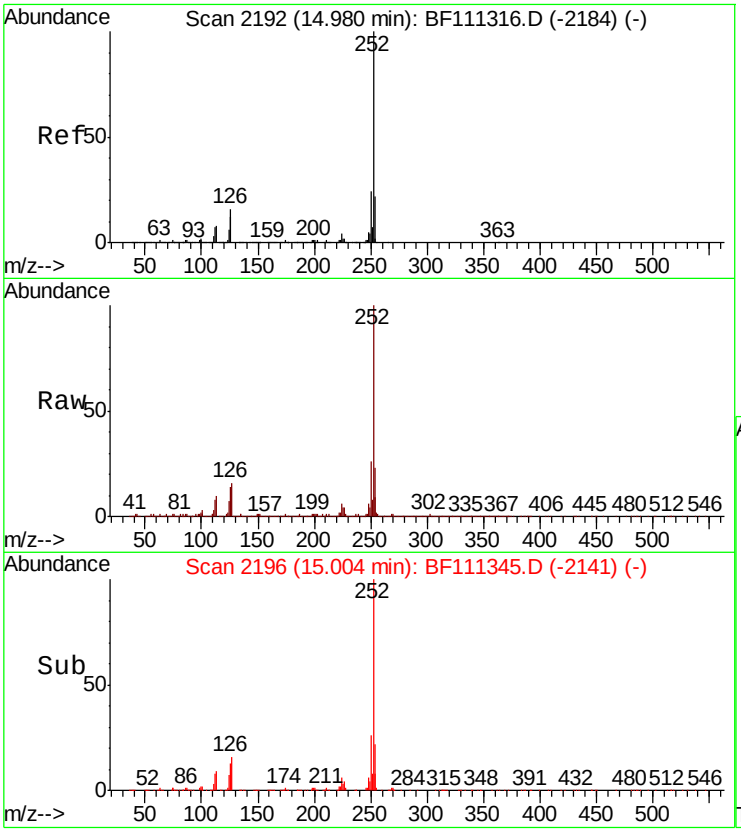


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:264 Resp: 275757

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	31.1	17.7	26.5#



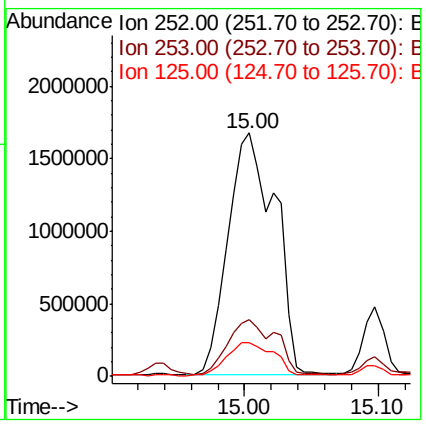


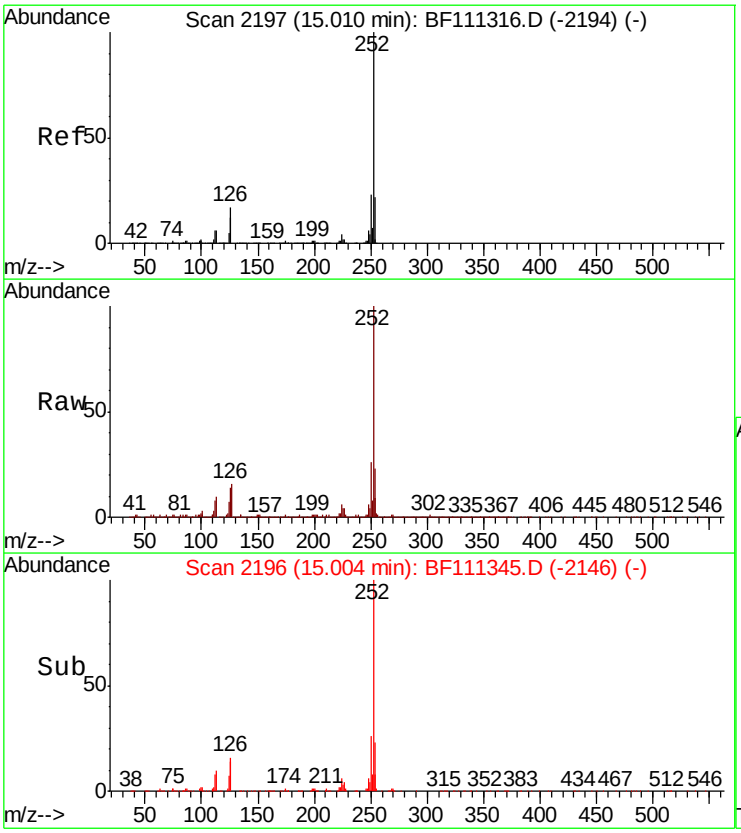
#88
Benzo(b)fluoranthene
Concen: 262.415 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.02 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:252 Resp: 4114808

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	13.9	10.4	15.6

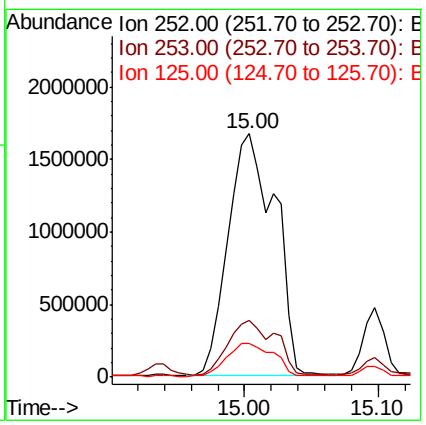


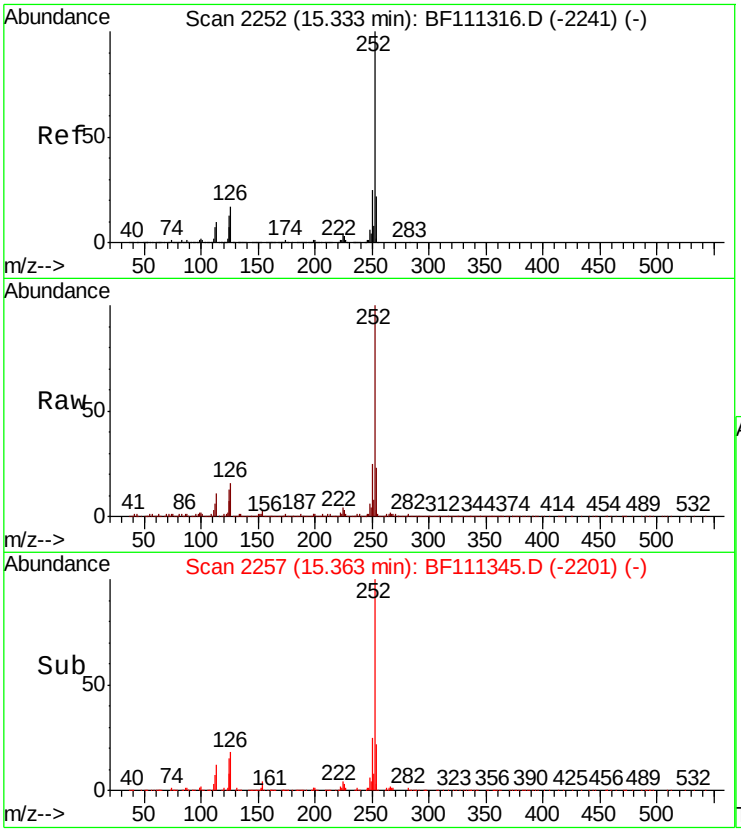


#89
Benzo(k)fluoranthene
Concen: 262.897 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:252 Resp: 4114808

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.9	9.8	14.8



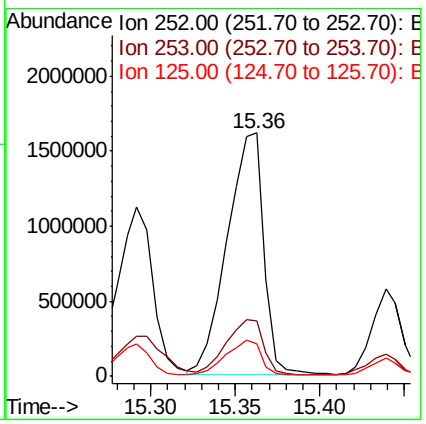


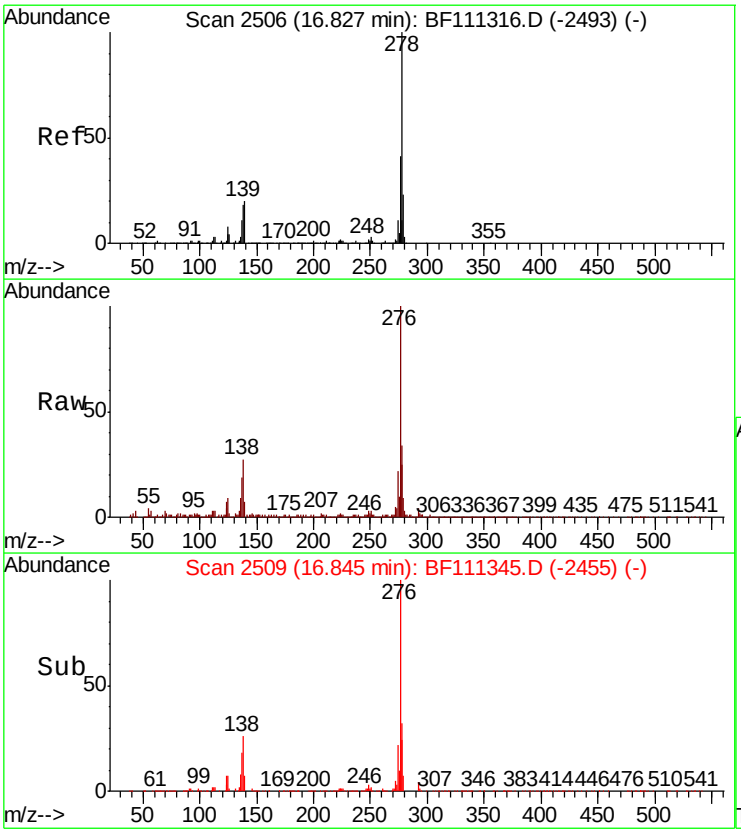
#90
Benzo(a)pyrene
Concen: 167.828 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.03 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:252 Resp: 2450304

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	13.4	12.3	18.5

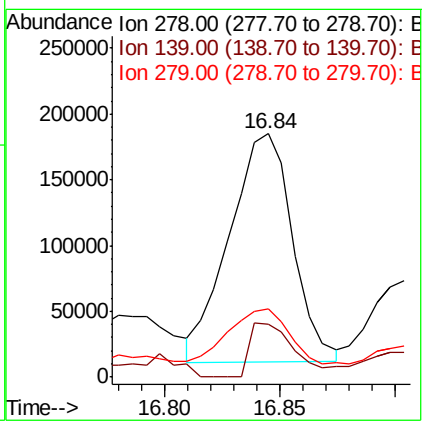


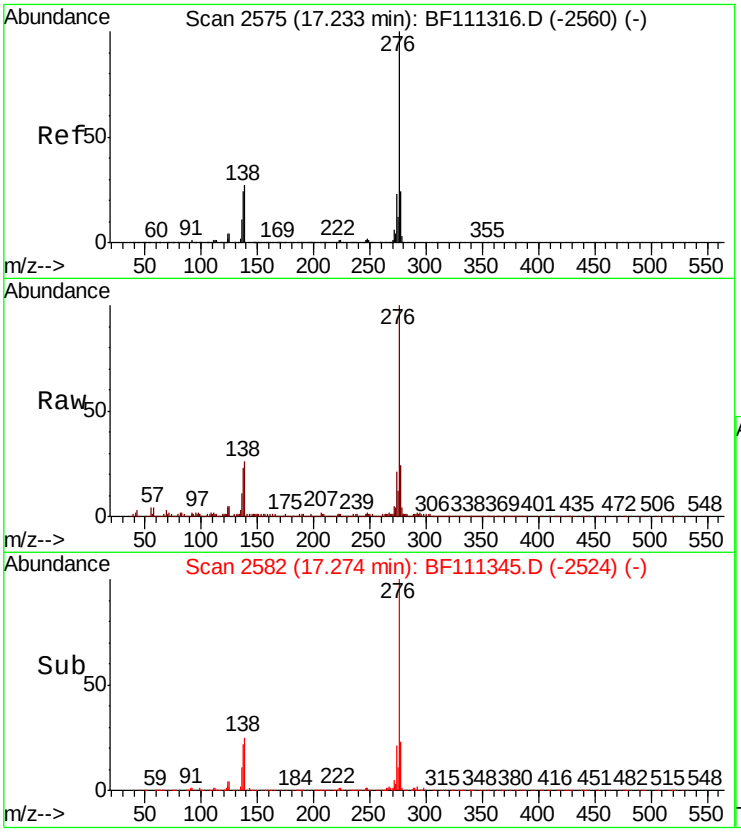


#91
Dibenzo(a,h)anthracene
Concen: 27.283 ng
RT: 16.84 min Scan# 2509
Delta R.T. 0.02 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Tgt Ion:278 Resp: 331415

Ion	Ratio	Lower	Upper
278	100		
139	21.5	18.2	27.4
279	27.8	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 103.563 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.04 min
Lab File: BF111345.D
Acq: 13 Dec 2018 2:08

Instrument :
BNA_F
ClientSampleId :
SB-5(12.5-14.5)

Tgt Ion:276 Resp: 1257732

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	26.3	24.9	37.3