Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111344.D
Acq On : 13 Dec 2018 1:40
Operator : JU/SJ
Sample : J6214-19 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-9(0-2)

Quant Time: Dec 13 04:41:49 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	215785	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	791850	20.00	ng		0.00
39) Acenaphthene-d10	9.83	164	331237	20.00	ng		0.00
64) Phenanthrene-d10	11.32	188	588448	20.00	ng		0.00
76) Chrysene-d12	13.97	240	312230	20.00	ng		0.01
87) Perylene-d12	15.41	264	315107	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	102037	8.00	ng		0.00
7) Phenol-d6	6.42	99	129641	7.54	ng		-0.01
23) Nitrobenzene-d5	7.35	82	60820	4.33	ng		-0.02
42) 2,4,6-Tribromophenol	10.62	330	19135	6.55	ng		0.00
45) 2-Fluorobiphenyl	9.15	172	129757	6.29	ng		0.00
79) Terphenyl-d14	12.90	244	108909	7.68	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.36	77	133	Below Cal		#	1
25) Isophorone	7.35	82	60351	2.529	ng	#	64
31) Naphthalene	8.10	128	737965	20.003	ng		97
33) 4-Chloroaniline	8.10	127	92917	5.897	ng	#	29
37) 2-Methylnaphthalene	8.79	142	185111	7.762	ng		97
38) 1-Methylnaphthalene	8.89	142	151718	6.591	ng		97
46) 1,1'-Biphenyl	9.25	154	80557	2.850	ng		93
51) 2,6-Dinitrotoluene	9.83	165	53138	10.064	ng	#	29
52) Acenaphthene	9.87	154	1109511	55.629	ng		98
55) Dibenzofuran	10.04	168	746656	25.932	ng		93
56) 4-Nitrophenol	10.04	139	277643	60.750	ng	#	9
58) Fluorene	10.38	166	1027533	49.887	ng		100
71) Phenanthrene	11.36	178	7451226	244.981	ng		96
72) Anthracene	11.40	178	2939397	94.910	ng		98
73) Carbazole	11.55	167	1382437	43.170	ng		96
75) Fluoranthene	12.56	202	9001703	303.164	ng		92
78) Pyrene	12.79	202	7298463	302.878	ng		94
81) Benzo(a)anthracene	13.96	228	3743619	214.292	ng		95
83) Chrysene	14.00	228	3100741	173.969	ng		97
86) Indeno(1,2,3-cd)pyrene	16.67	276	297019	21.307	ng		97
88) Benzo(b)fluoranthene	15.00	252	5056174	282.183	ng		97
89) Benzo(k)fluoranthene	15.00	252	5056174	282.700	ng	#	96
90) Benzo(a)pyrene	15.36	252	2634154	157.890	ng		97
91) Dibenzo(a,h)anthracene	16.79	278	123174	8.874	ng		95
92) Benzo(g,h,i)perylene	17.27	276	1378463	99.330	ng		96

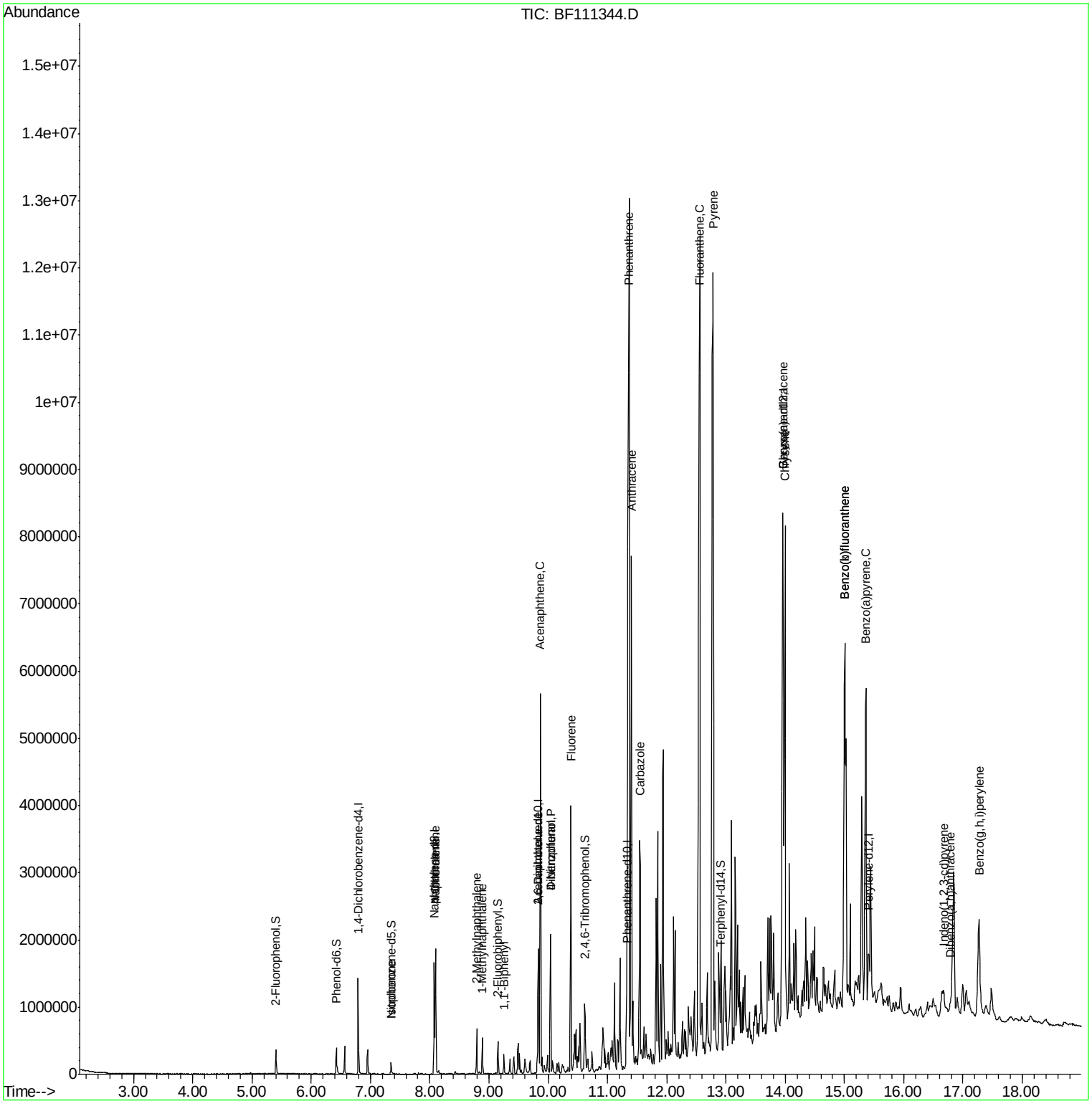
(#) = qualifier out of range (m) = manual integration (+) = signals summed

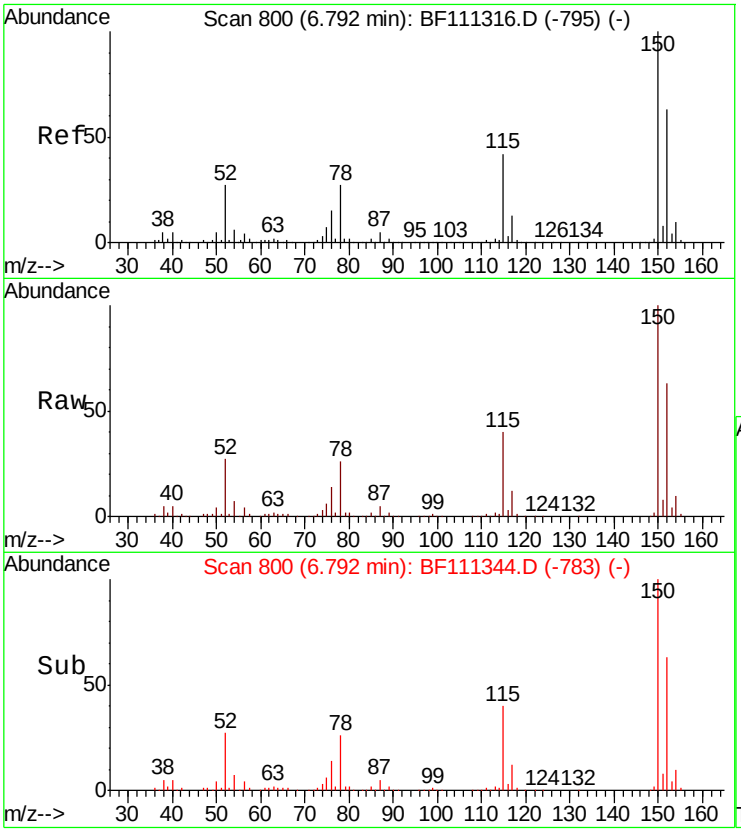
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111344.D
Acq On : 13 Dec 2018 1:40
Operator : JU/SJ
Sample : J6214-19 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Quant Time: Dec 13 04:41:49 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



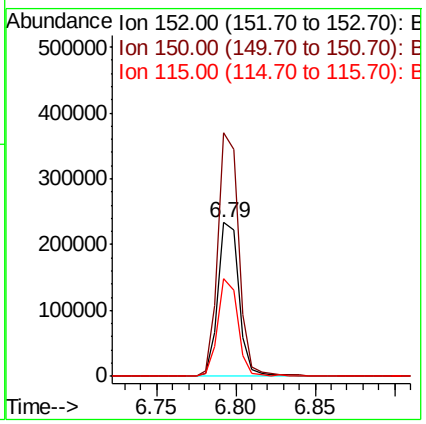


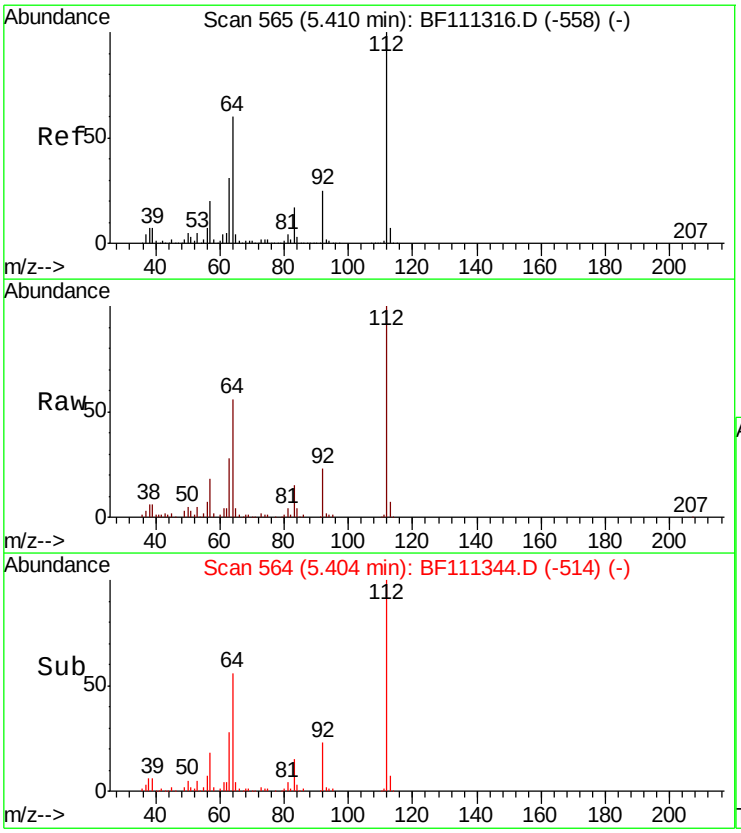
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:152 Resp: 215785

Ion	Ratio	Lower	Upper
152	100		
150	158.5	126.6	189.8
115	64.0	50.7	76.1

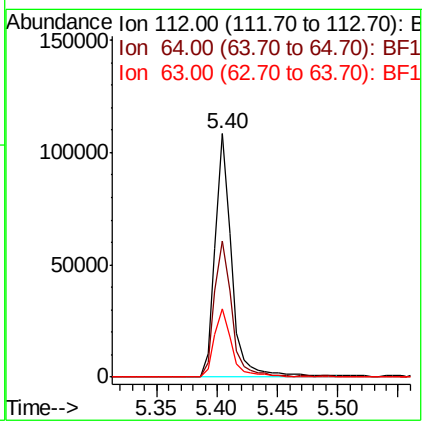


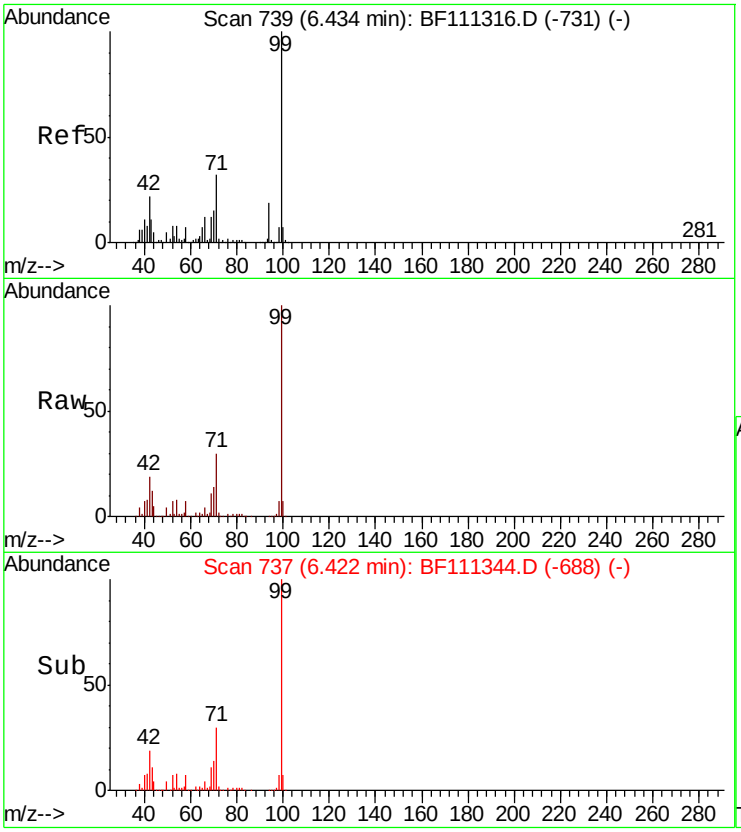


#5
2-Fluorophenol
Concen: 7.996 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:112 Resp: 102037

Ion	Ratio	Lower	Upper
112	100		
64	56.0	51.8	77.6
63	28.3	26.8	40.2



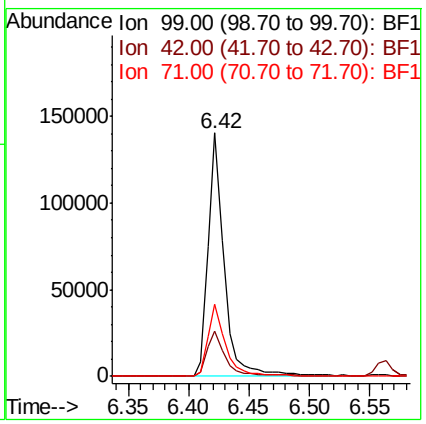


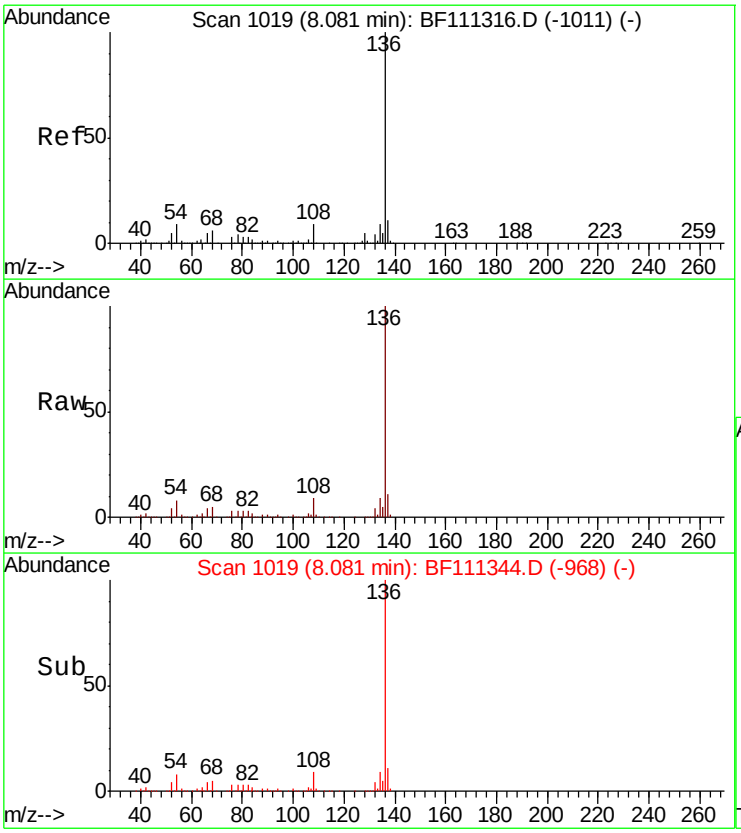
#7
Phenol-d6
Concen: 7.535 ng
RT: 6.42 min Scan# 737
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion: 99 Resp: 129641

Ion	Ratio	Lower	Upper
99	100		
42	18.6	17.4	26.0
71	29.9	26.1	39.1

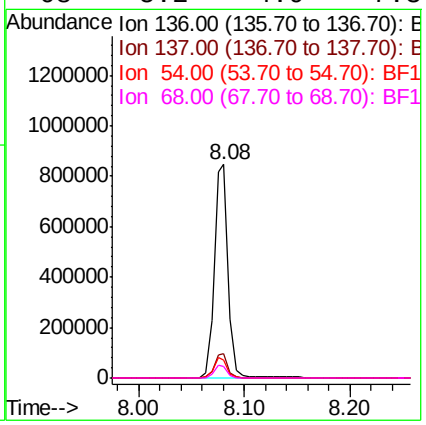


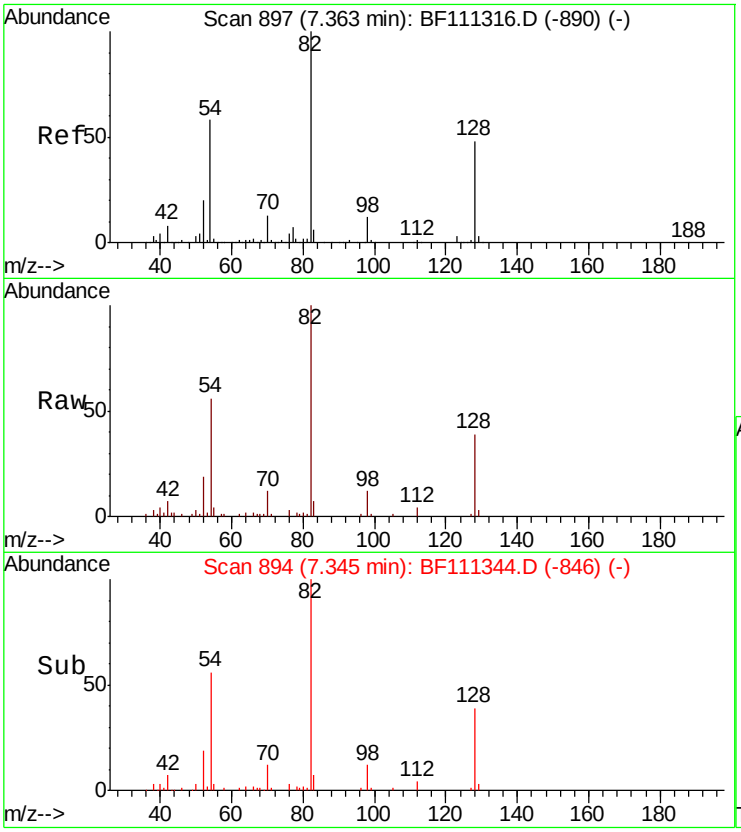


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:136 Resp: 791850

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	8.3	7.7	11.5
68	5.2	4.9	7.3



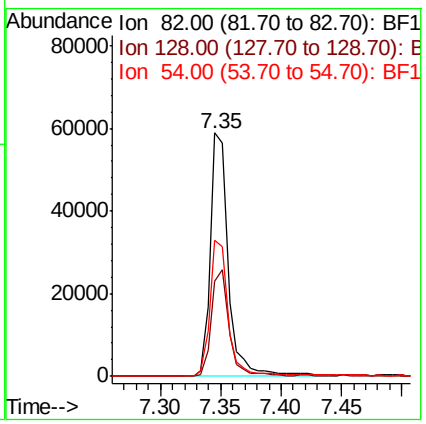


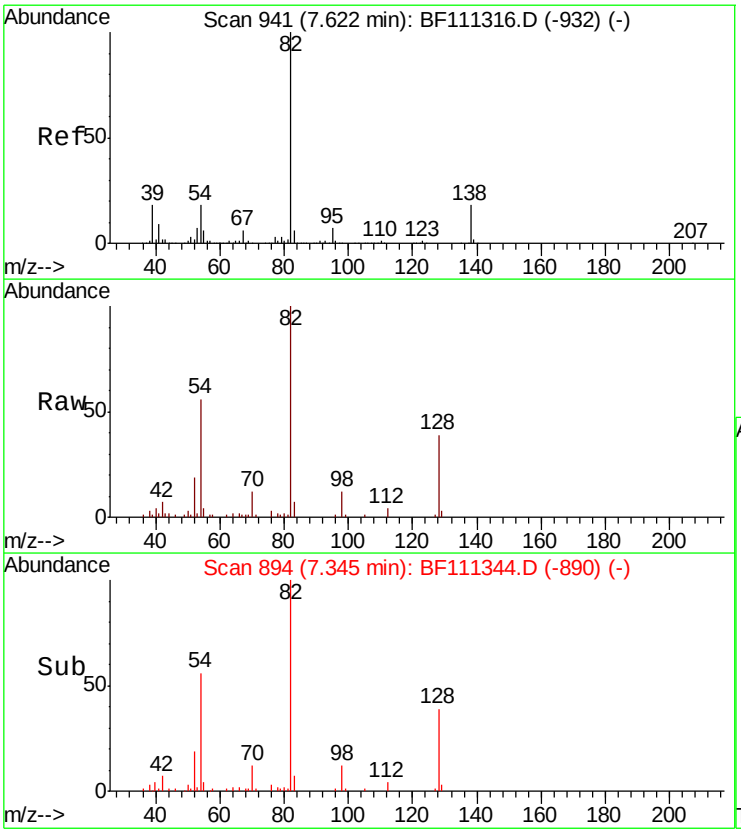
#23
Nitrobenzene-d5
Concen: 4.329 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion: 82 Resp: 60820

Ion	Ratio	Lower	Upper
82	100		
128	38.9	37.4	56.2
54	55.9	47.6	71.4

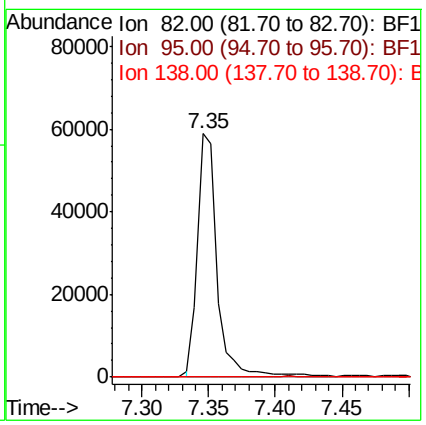


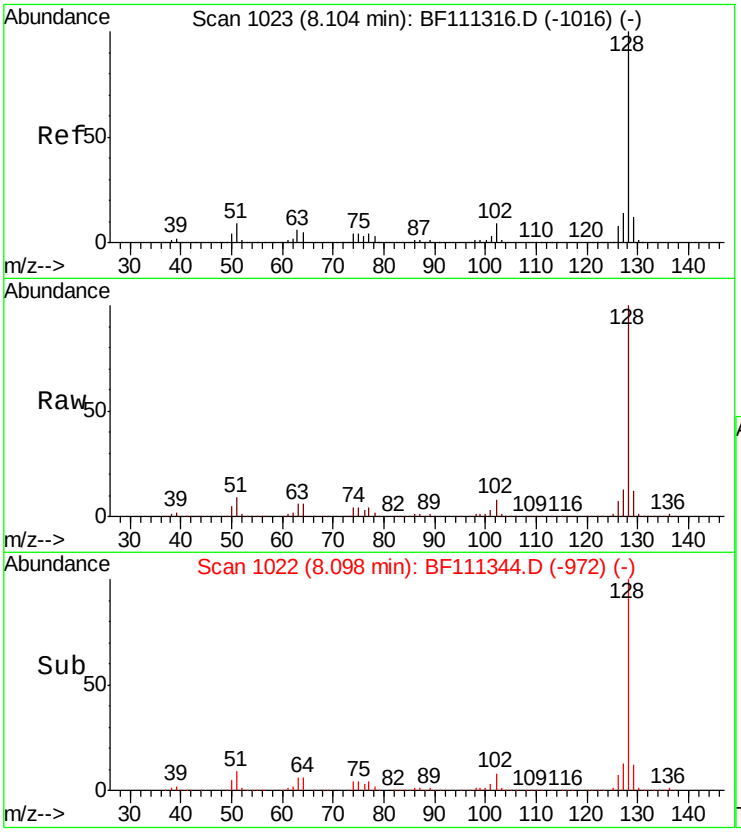


#25
Isophorone
Concen: 2.529 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.28 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion: 82 Resp: 60351

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	15.1	22.7#



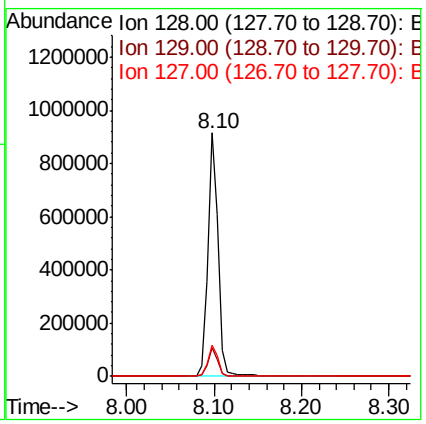


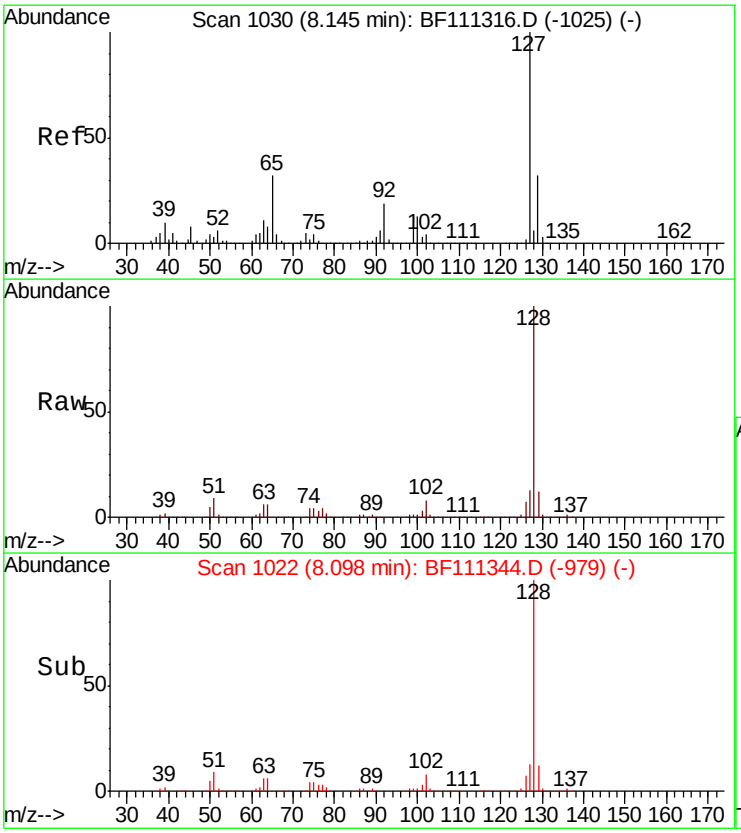
#31
Naphthalene
Concen: 20.003 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:128 Resp: 737965

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.8	14.8
127	12.9	12.0	18.0

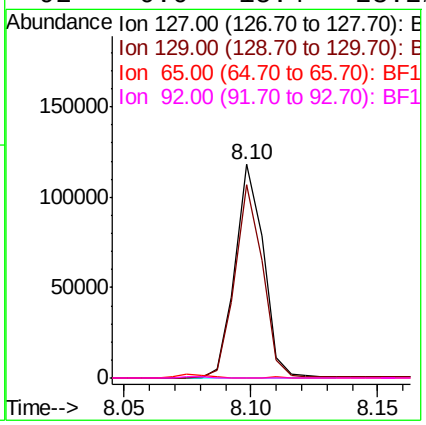


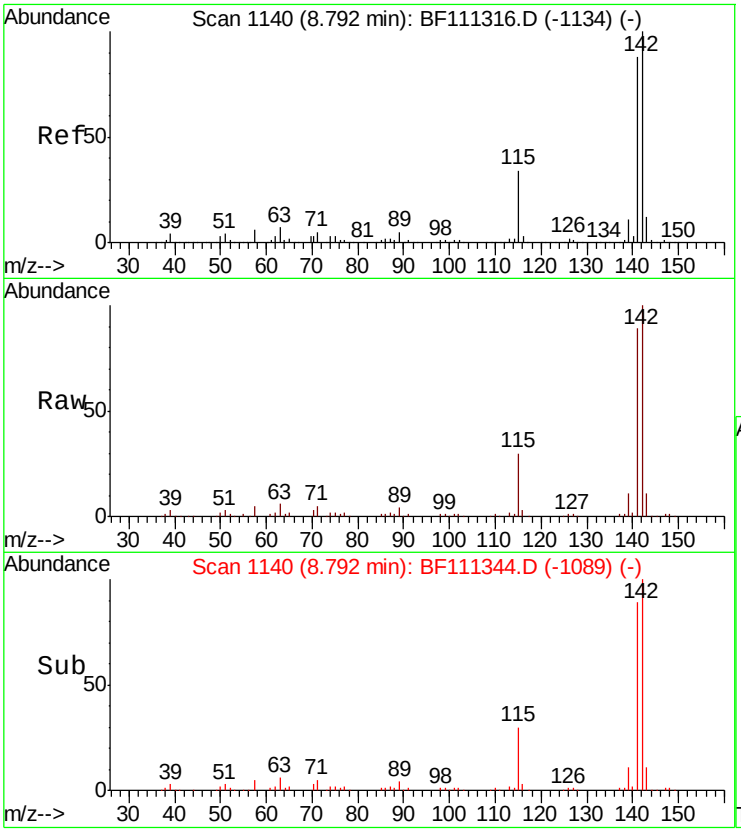


#33
4-Chloroaniline
Concen: 5.897 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.05 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:127 Resp: 92917

Ion	Ratio	Lower	Upper
127	100		
129	90.5	26.6	39.8#
65	0.0	25.7	38.5#
92	0.0	15.4	23.2#



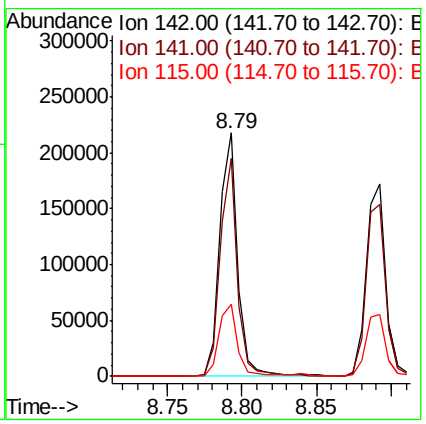


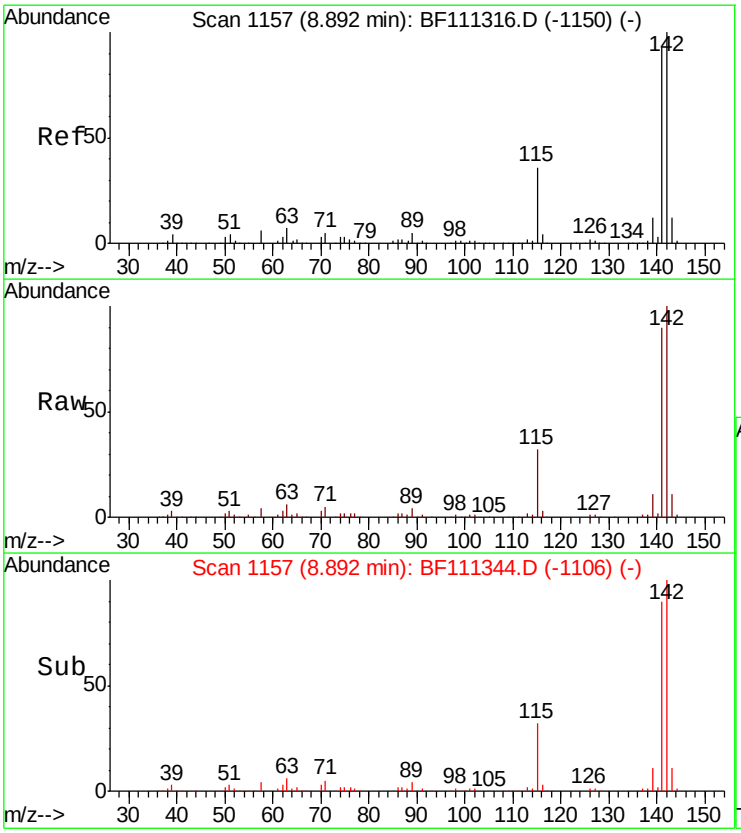
#37
2-Methylnaphthalene
Concen: 7.762 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:142 Resp: 185111

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.6	105.8
115	29.6	27.0	40.6

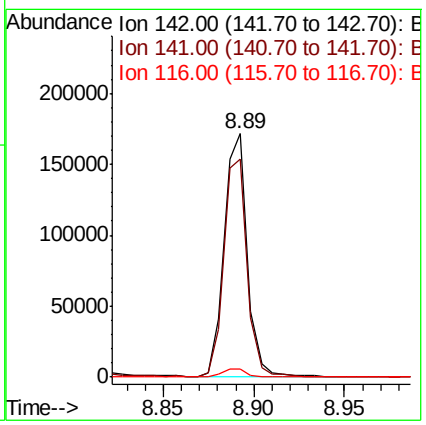


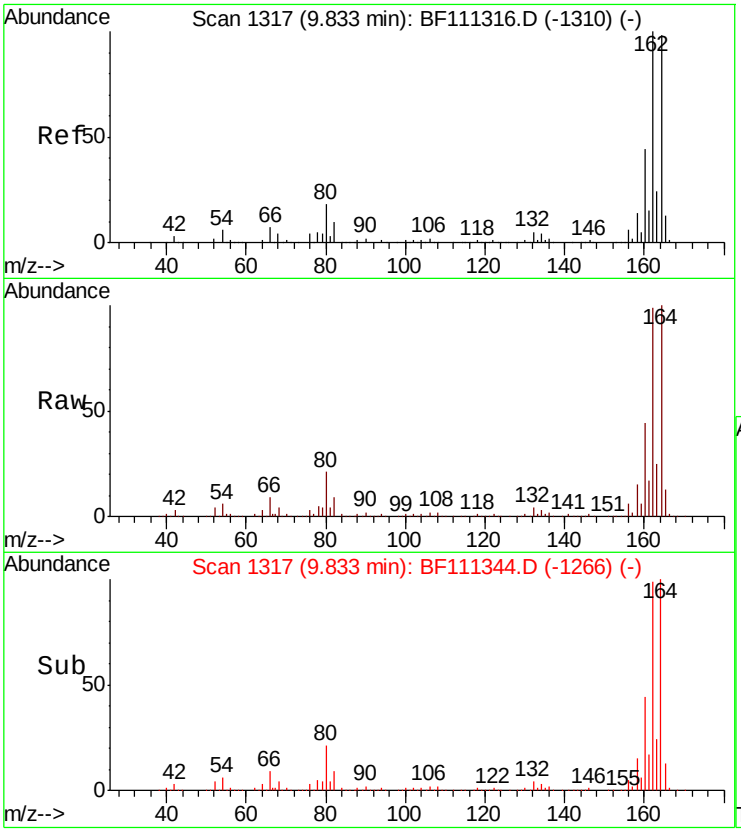


#38
1-Methylnaphthalene
Concen: 6.591 ng
RT: 8.89 min Scan# 1157
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:142 Resp: 151718

Ion	Ratio	Lower	Upper
142	100		
141	89.6	74.2	111.4
116	3.2	2.9	4.3



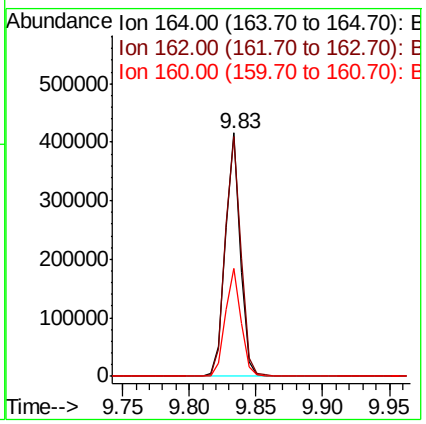


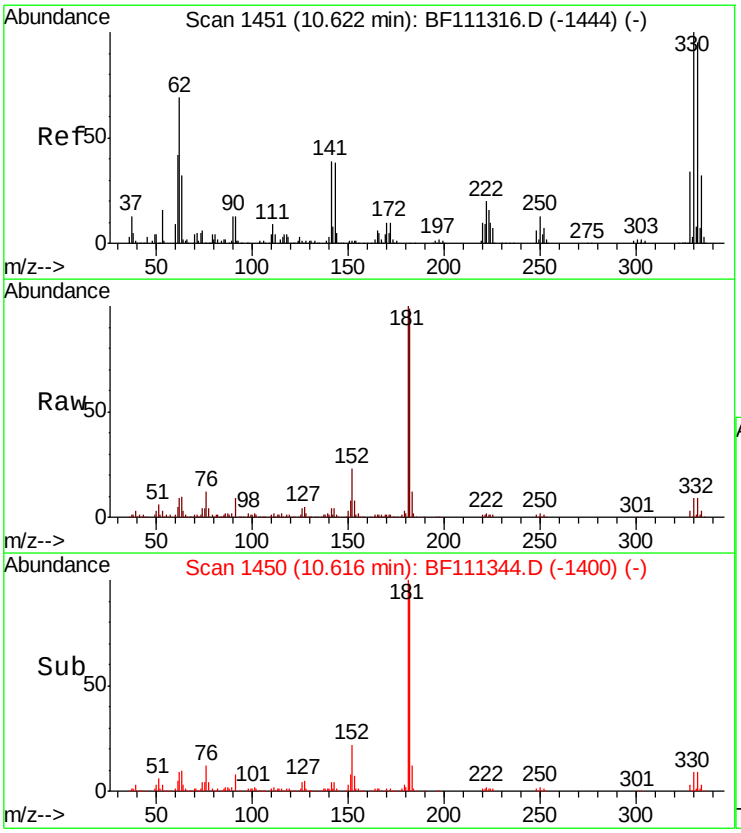
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:164 Resp: 331237

Ion	Ratio	Lower	Upper
164	100		
162	98.7	81.4	122.0
160	44.2	35.7	53.5

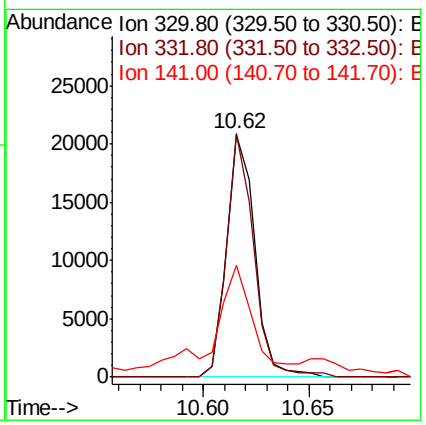


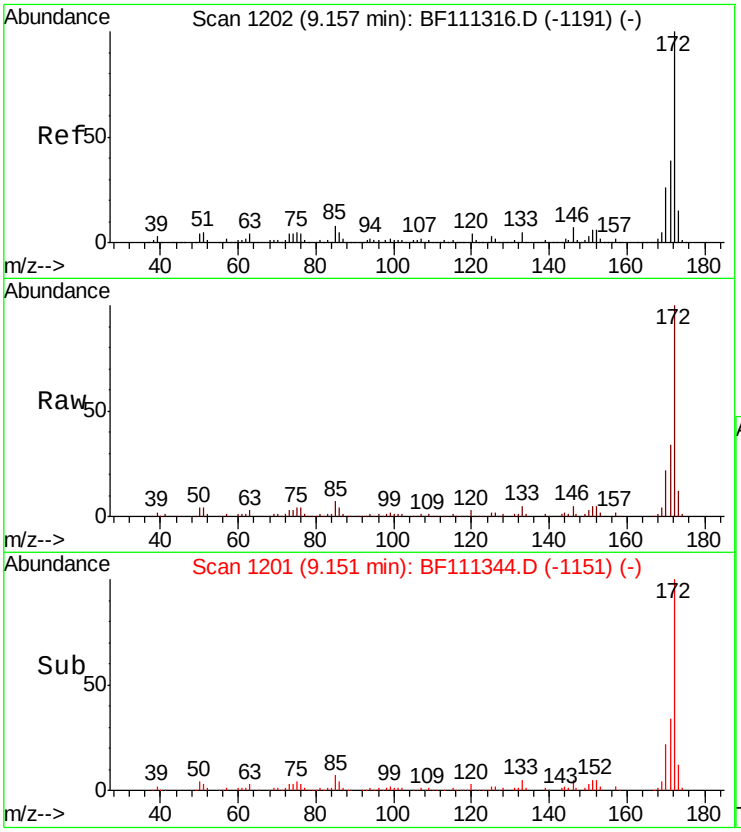


#42
2,4,6-Tribromophenol
Concen: 6.553 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:330 Resp: 19135

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.0	114.0
141	56.5	31.0	46.6#



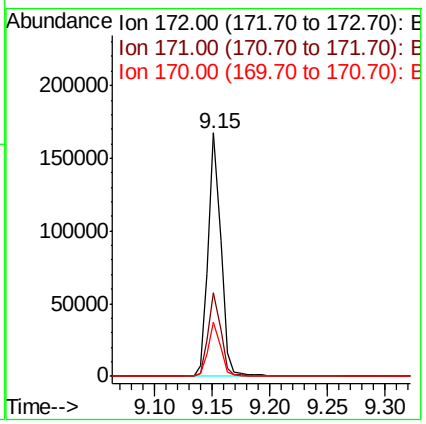


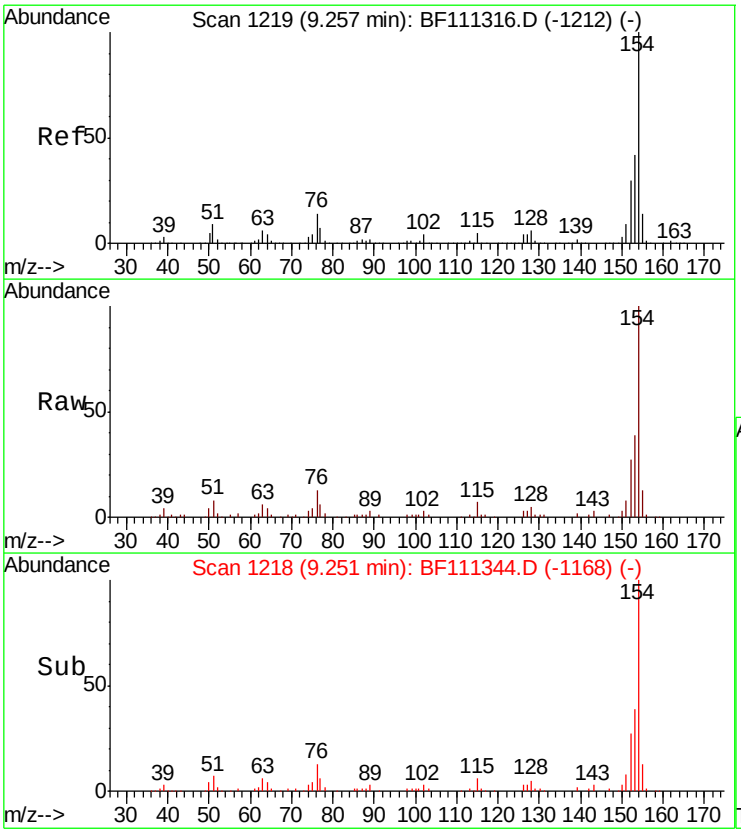
#45
2-Fluorobiphenyl
Concen: 6.289 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:172 Resp: 129757

Ion	Ratio	Lower	Upper
172	100		
171	34.4	33.0	49.4
170	22.1	22.3	33.5#

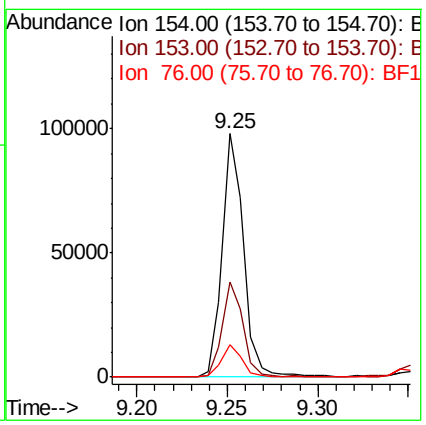


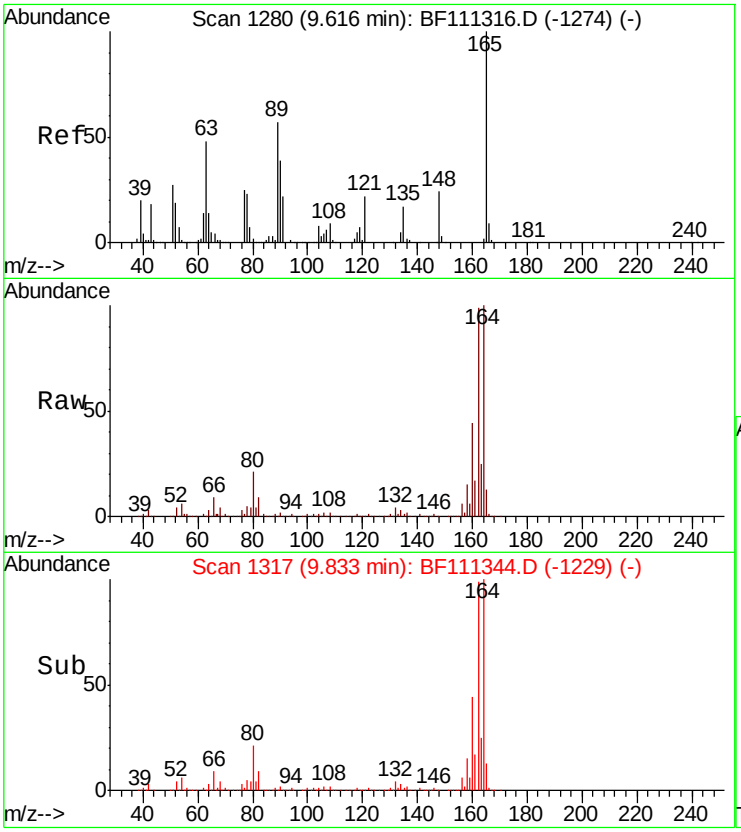


#46
1,1'-Biphenyl
Concen: 2.850 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:154 Resp: 80557

Ion	Ratio	Lower	Upper
154	100		
153	38.9	23.7	63.7
76	13.5	0.0	35.0



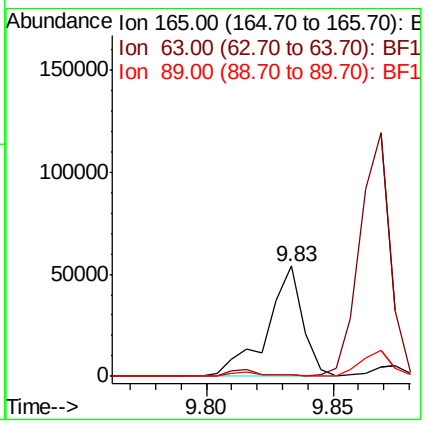


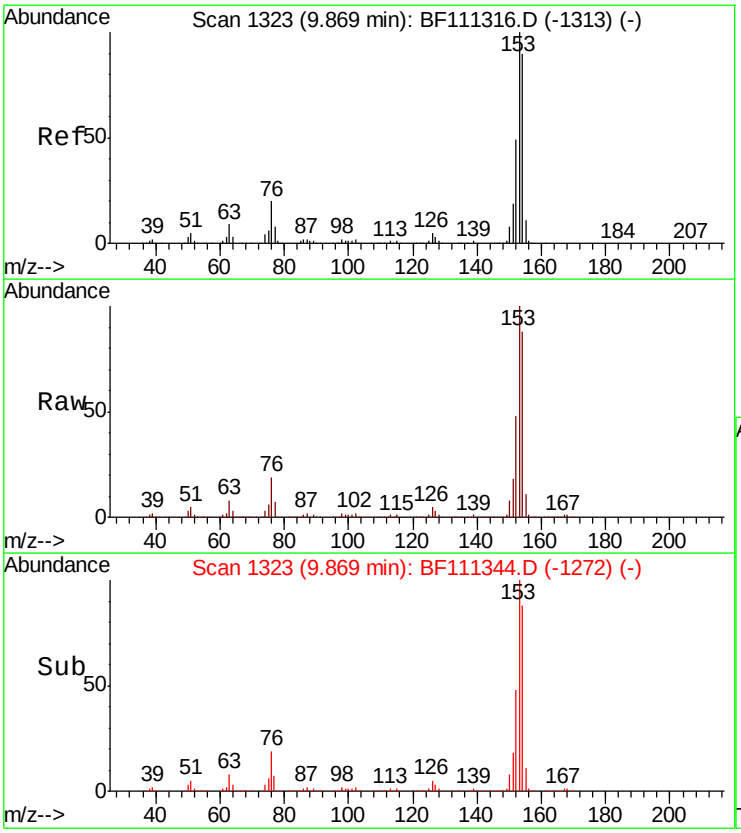
#51
2,6-Dinitrotoluene
Concen: 10.064 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:165 Resp: 53138

Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.5	60.7#
89	1.4	40.0	60.0#

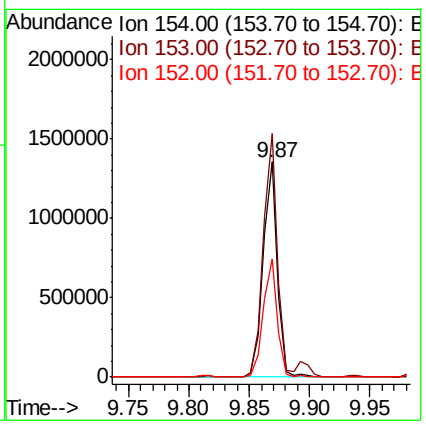


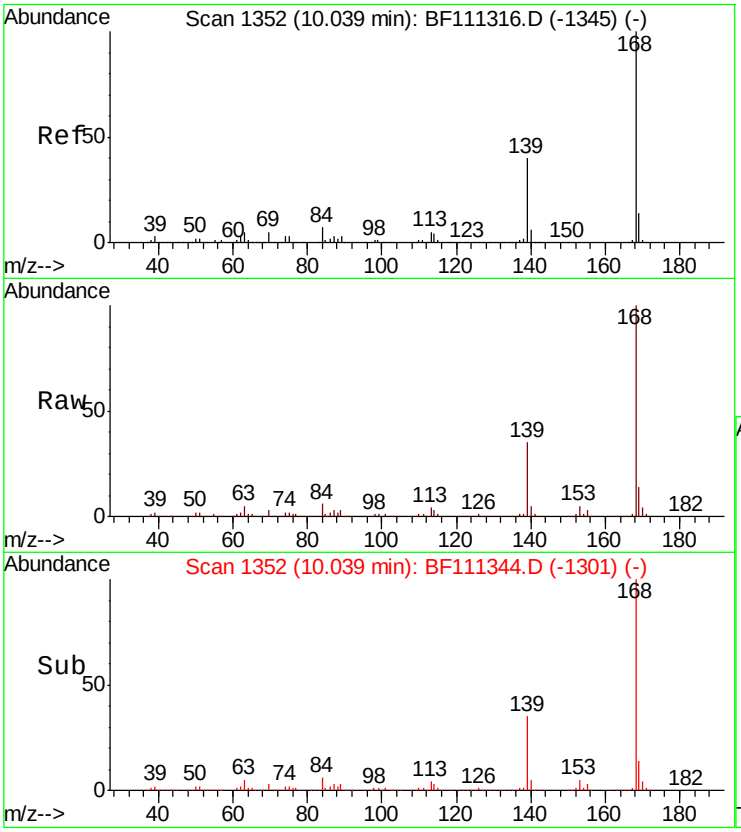


#52
Acenaphthene
Concen: 55.629 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:154 Resp: 1109511

Ion	Ratio	Lower	Upper
154	100		
153	113.1	87.8	131.8
152	54.6	43.4	65.2



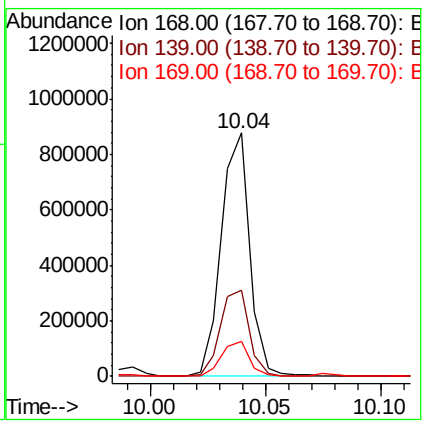


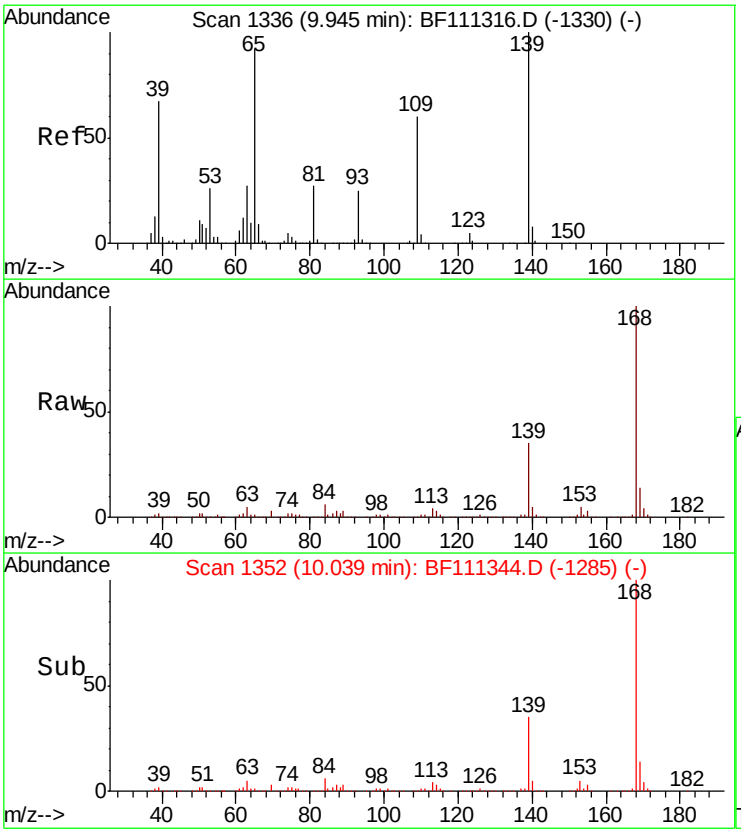
#55
Dibenzofuran
Concen: 25.932 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:168 Resp: 746656

Ion	Ratio	Lower	Upper
168	100		
139	35.5	32.6	49.0
169	14.3	11.8	17.6

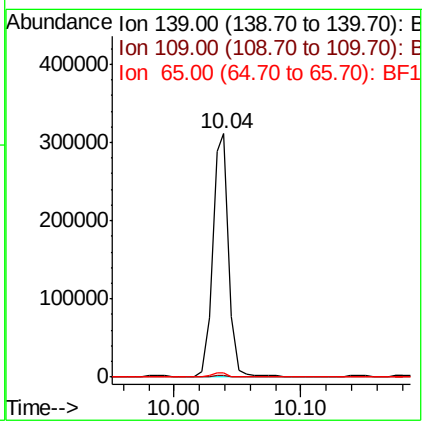


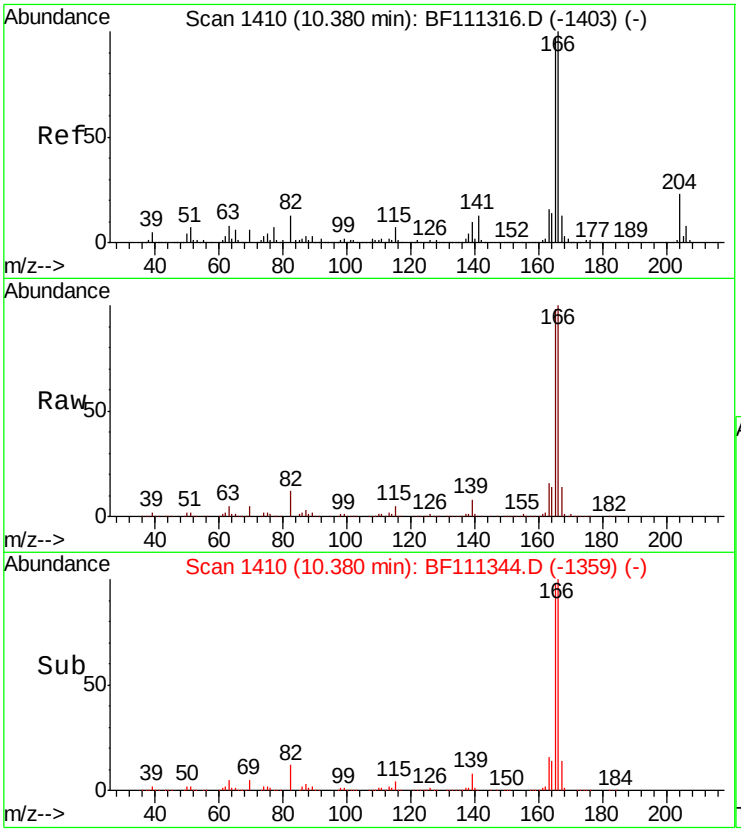


#56
4-Nitrophenol
Concen: 60.750 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.09 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:139 Resp: 277643

Ion	Ratio	Lower	Upper
139	100		
109	0.6	41.8	81.8#
65	1.7	79.6	119.6#



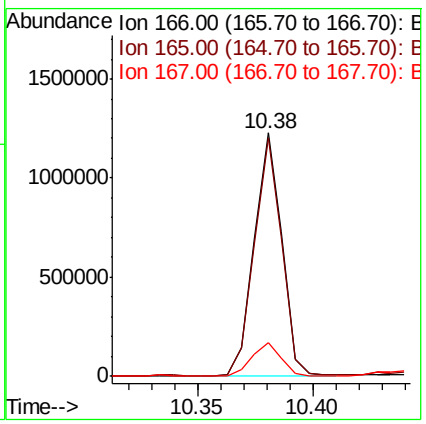


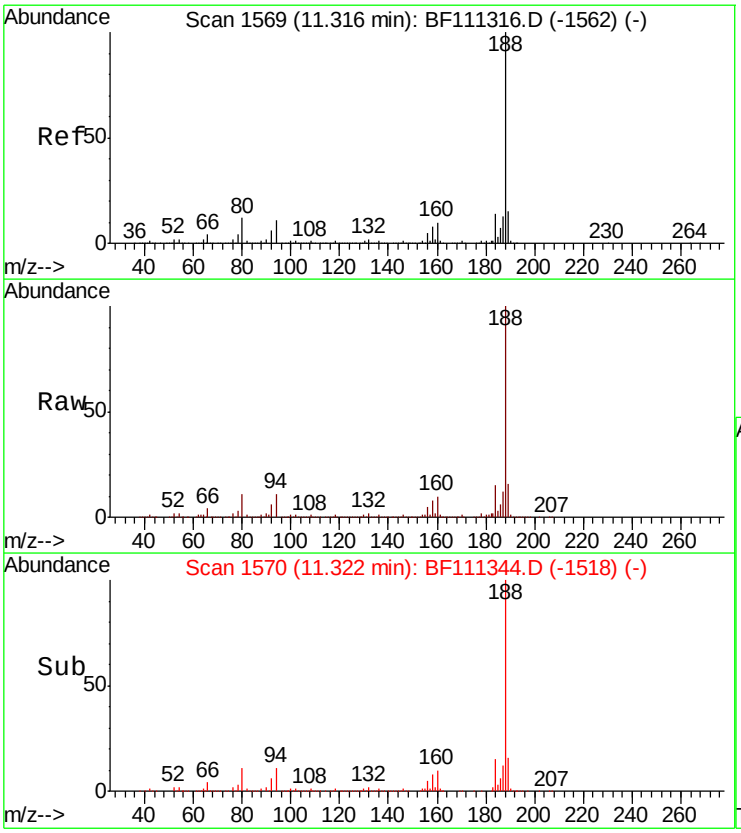
#58
Fluorene
Concen: 49.887 ng
RT: 10.38 min Scan# 1410
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:166 Resp: 1027533

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.4	117.6
167	14.1	11.2	16.8

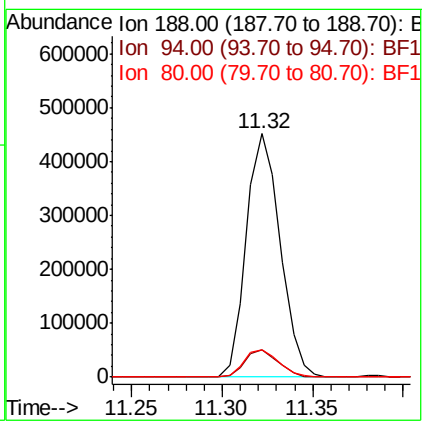


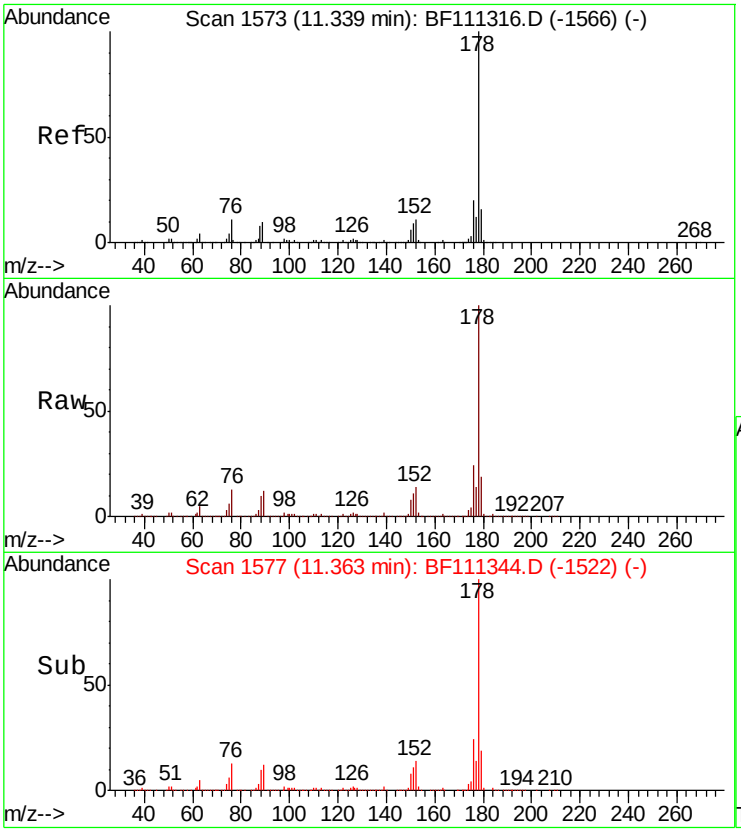


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:188 Resp: 588448

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.6	14.4
80	11.4	9.8	14.6



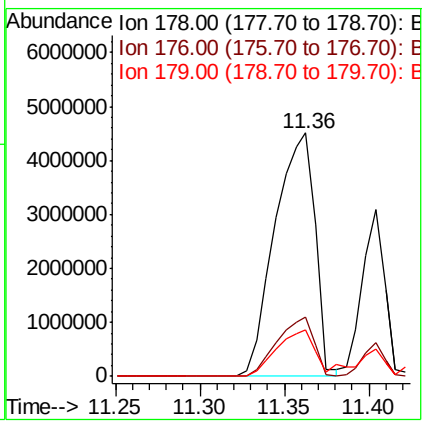


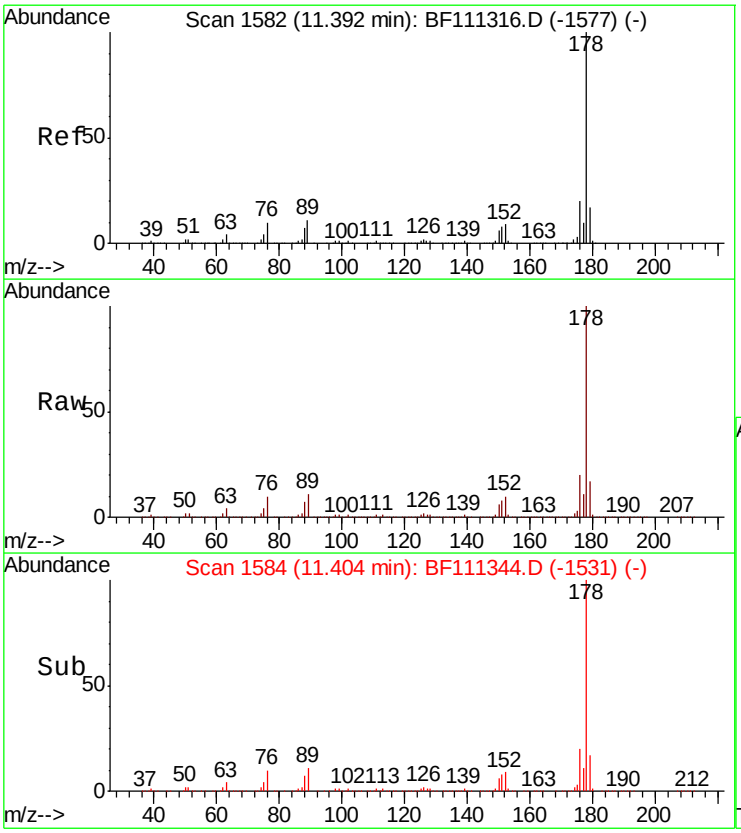
#71
Phenanthrene
Concen: 244.981 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.02 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:178 Resp: 7451226

Ion	Ratio	Lower	Upper
178	100		
176	24.4	18.1	27.1
179	19.2	14.0	21.0

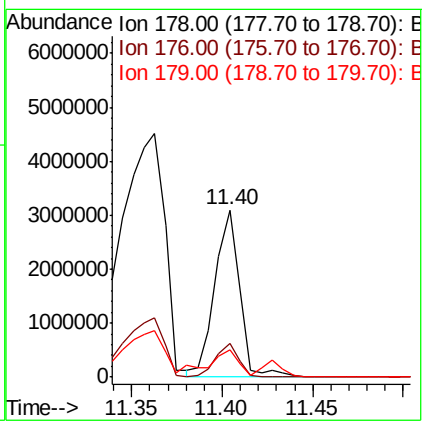


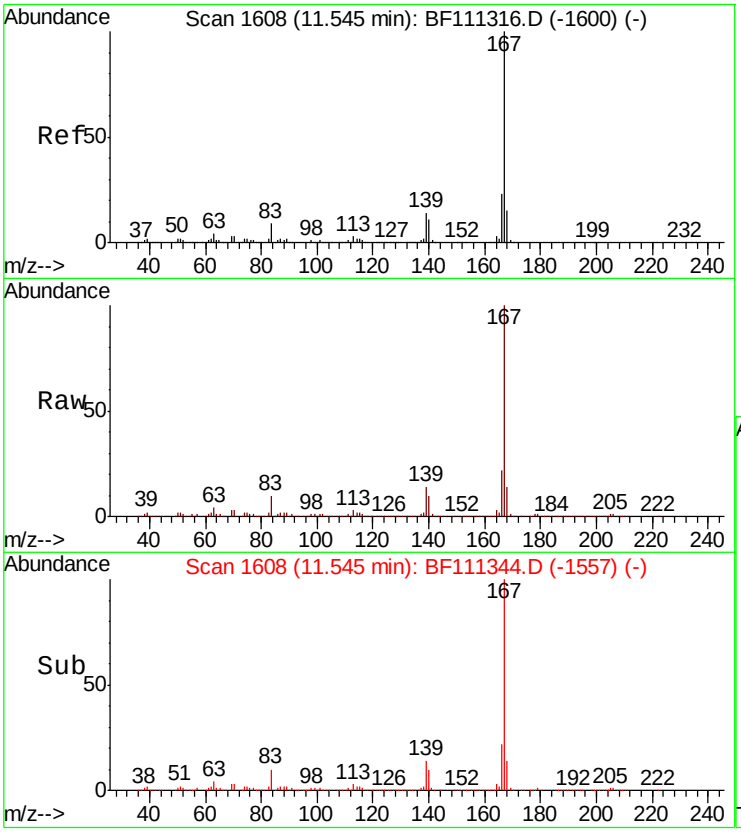


#72
Anthracene
Concen: 94.910 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:178 Resp: 2939397

Ion	Ratio	Lower	Upper
178	100		
176	20.5	17.2	25.8
179	16.7	13.8	20.8



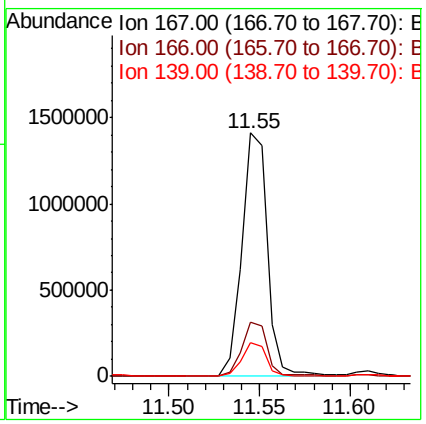


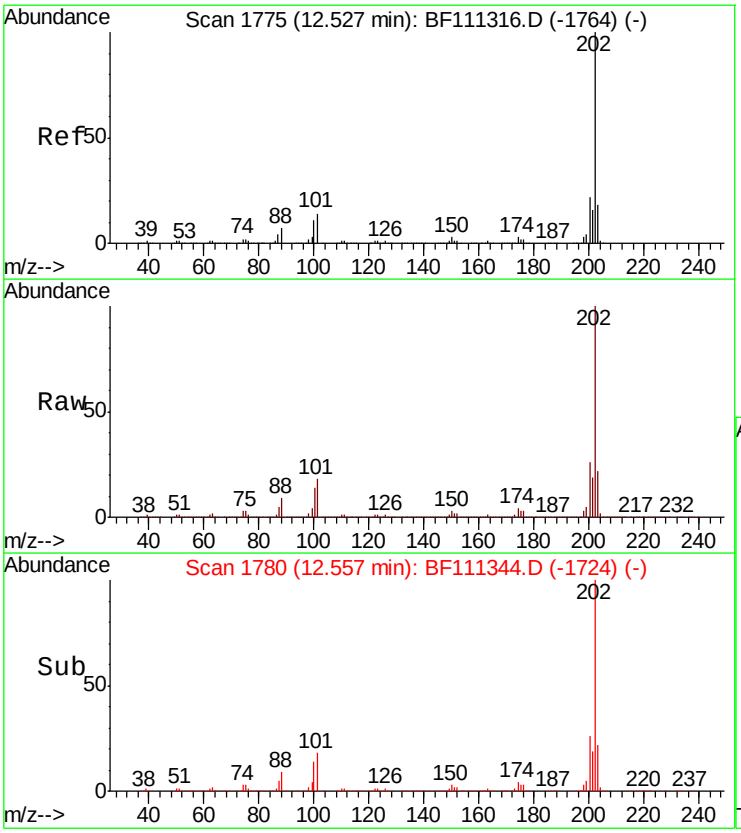
#73
Carbazole
Concen: 43.170 ng
RT: 11.55 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:167 Resp: 1382437

Ion	Ratio	Lower	Upper
167	100		
166	22.1	19.3	28.9
139	13.7	11.9	17.9

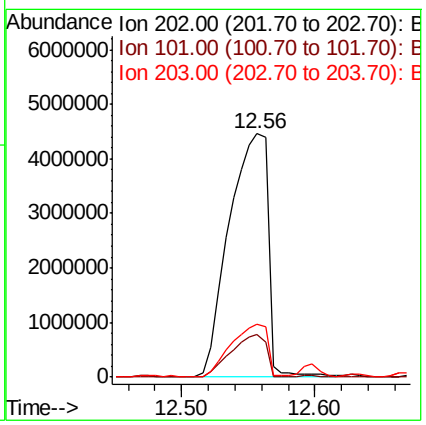


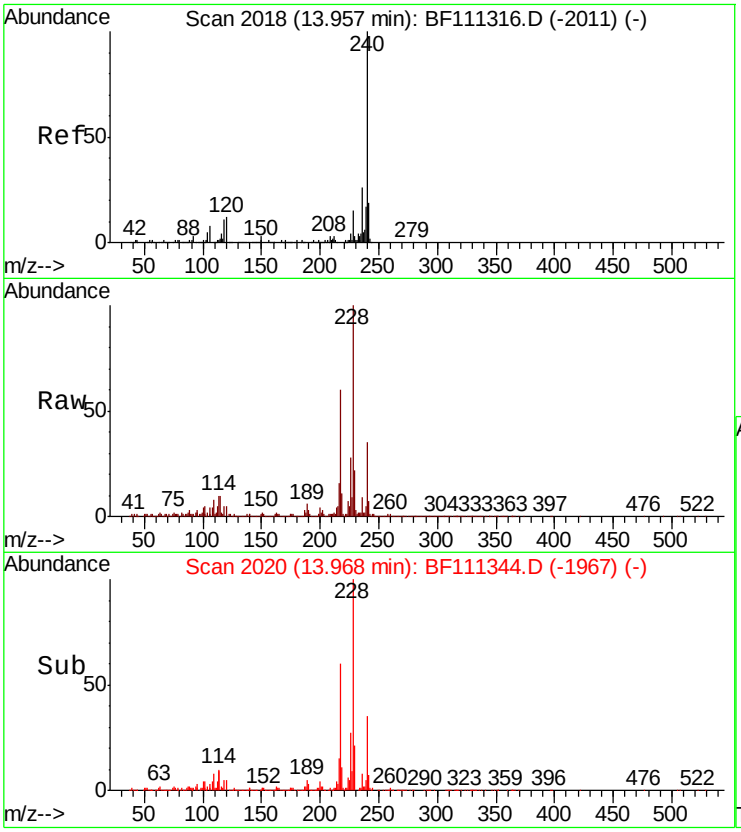


#75
Fluoranthene
Concen: 303.164 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.03 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:202 Resp: 9001703

Ion	Ratio	Lower	Upper
202	100		
101	17.7	0.0	33.8
203	21.7	0.0	38.6



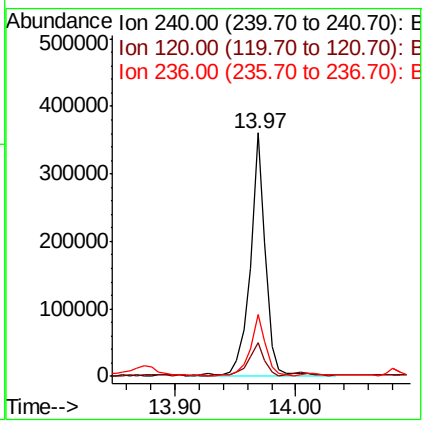


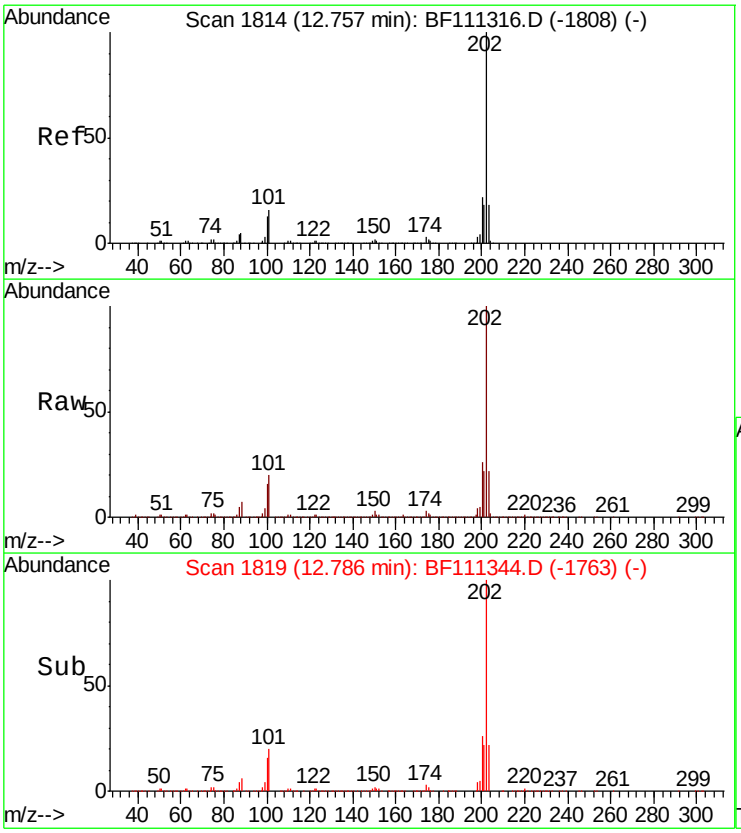
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:240 Resp: 312230

Ion	Ratio	Lower	Upper
240	100		
120	13.7	12.2	18.2
236	25.5	20.2	30.2

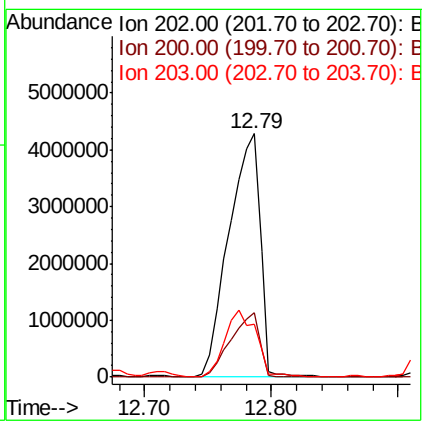


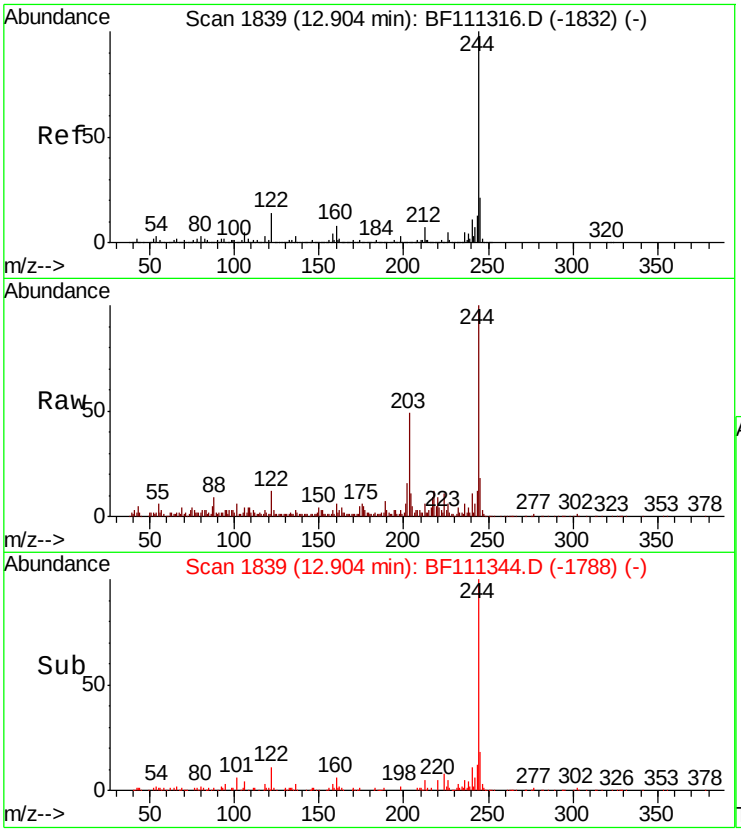


#78
Pyrene
Concen: 302.878 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.03 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:202 Resp: 7298463

Ion	Ratio	Lower	Upper
202	100		
200	26.5	19.0	28.4
203	21.8	15.2	22.8



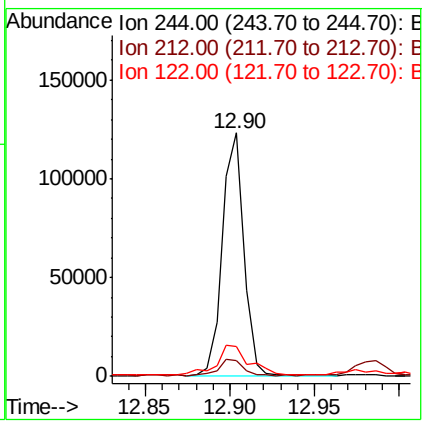


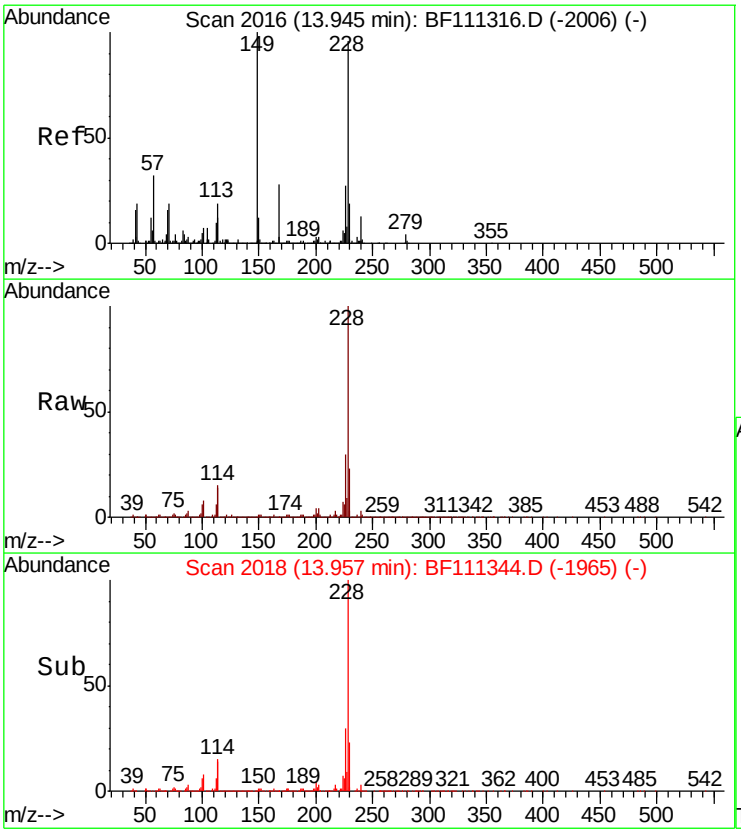
#79
Terphenyl-d14
Concen: 7.677 ng
RT: 12.90 min Scan# 1839
Delta R.T. 0.00 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:244 Resp: 108909

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	12.1	13.1	19.7#

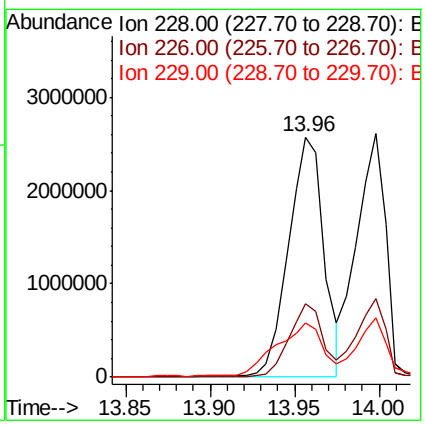


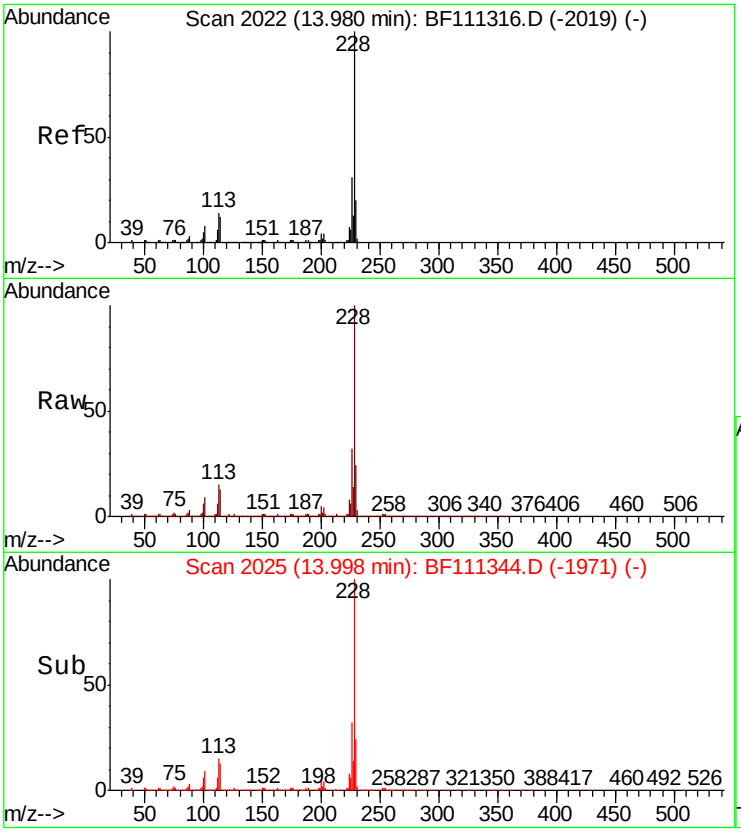


#81
Benzo(a)anthracene
Concen: 214.292 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:228 Resp: 3743619

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.6	34.0
229	22.8	16.3	24.5



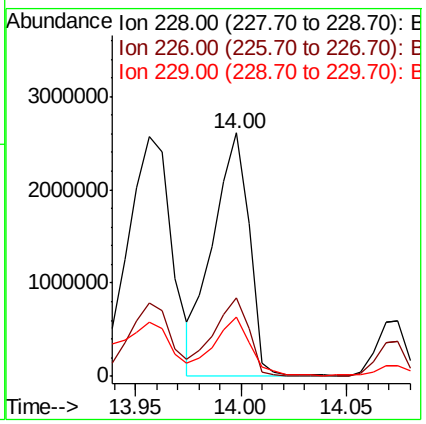


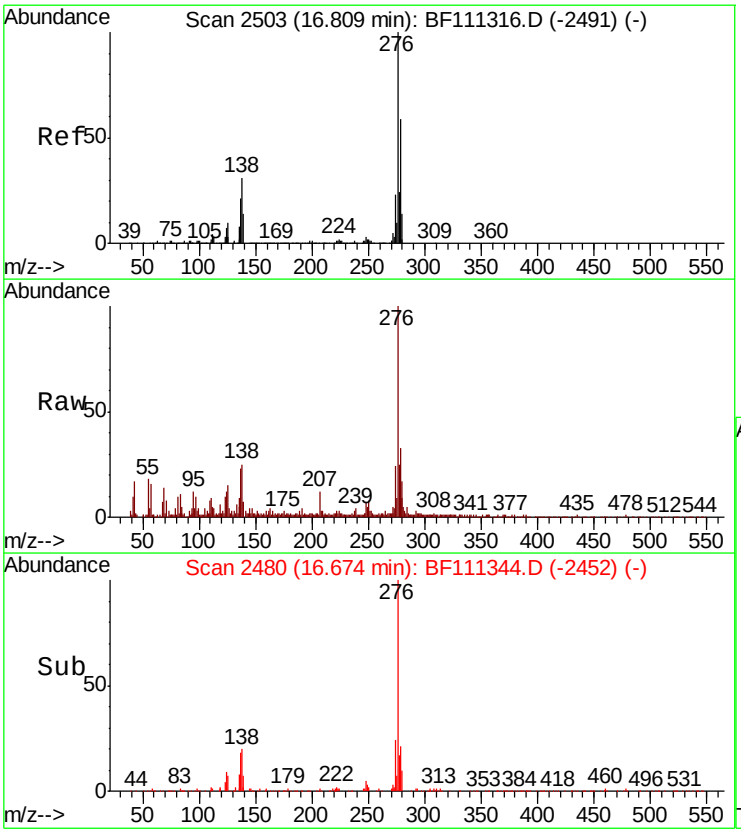
#83
Chrysene
Concen: 173.969 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.02 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:228 Resp: 3100741

Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.3	37.9
229	24.2	17.2	25.8

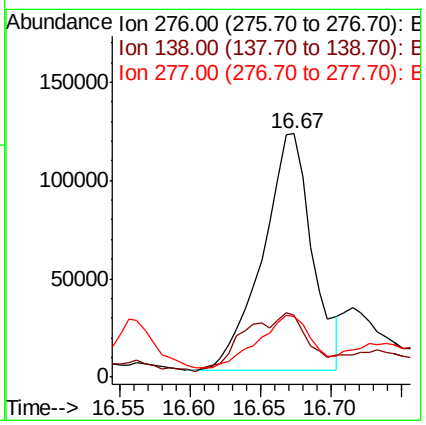


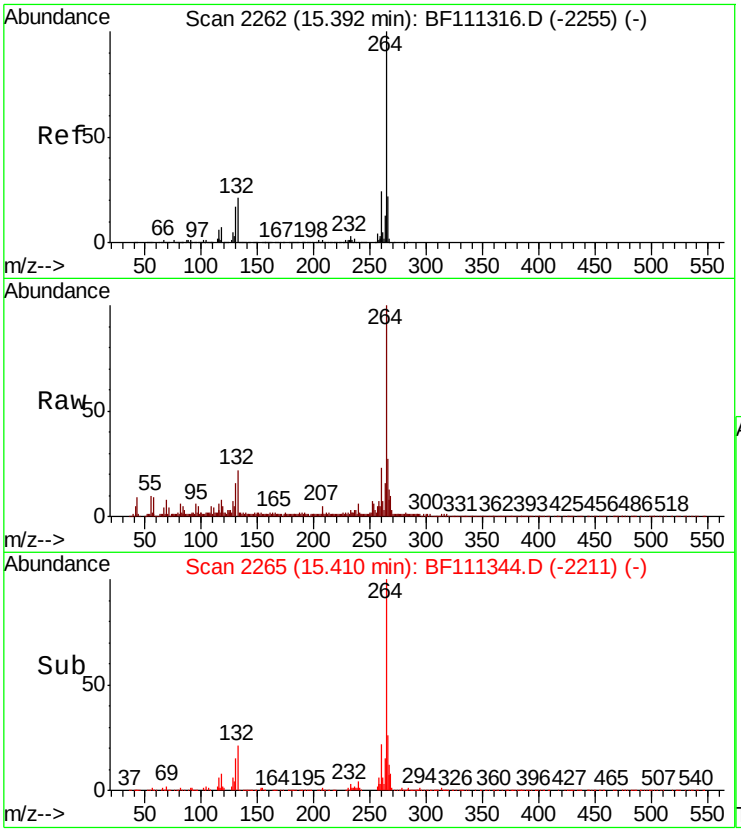


#86
Indeno(1,2,3-cd)pyrene
Concen: 21.307 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.14 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:276 Resp: 297019

Ion	Ratio	Lower	Upper
276	100		
138	33.1	27.8	41.6
277	23.4	20.1	30.1



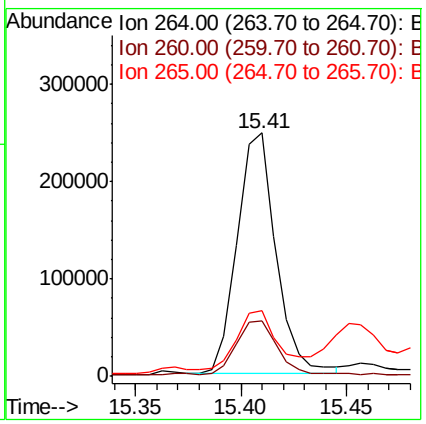


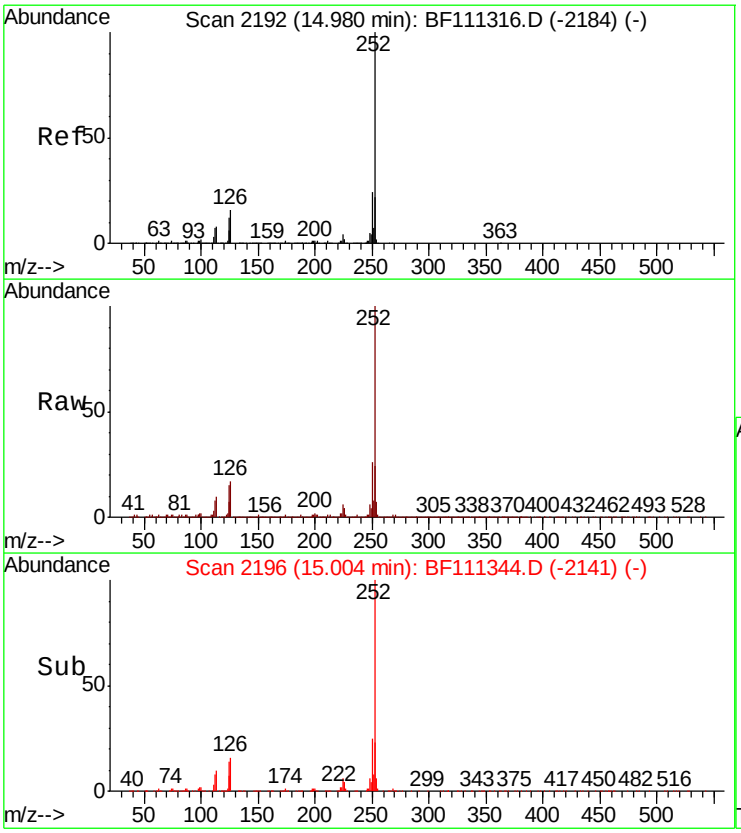
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:264 Resp: 315107

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.3	27.5
265	27.2	17.7	26.5#

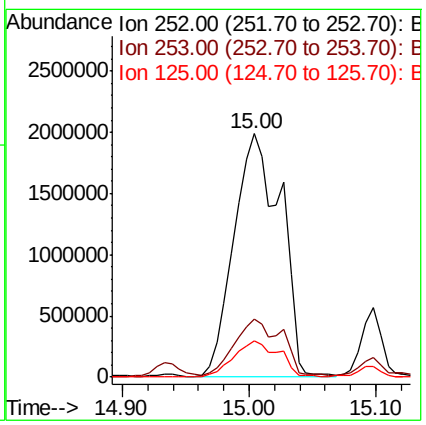


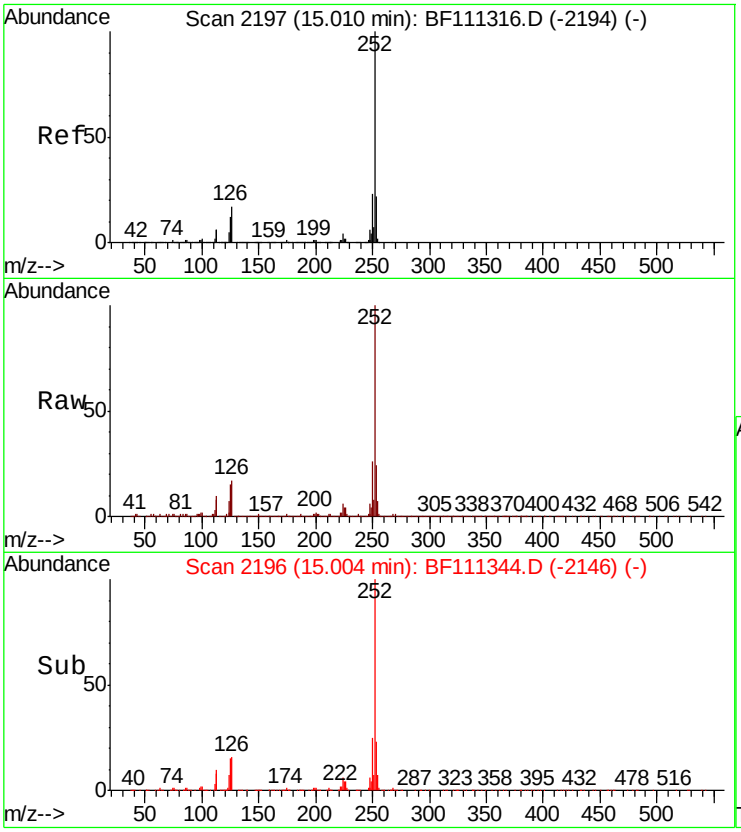


#88
Benzo(b)fluoranthene
Concen: 282.183 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.02 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:252 Resp: 5056174

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	14.8	10.4	15.6



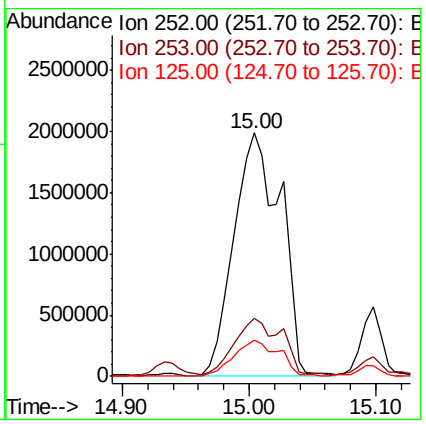


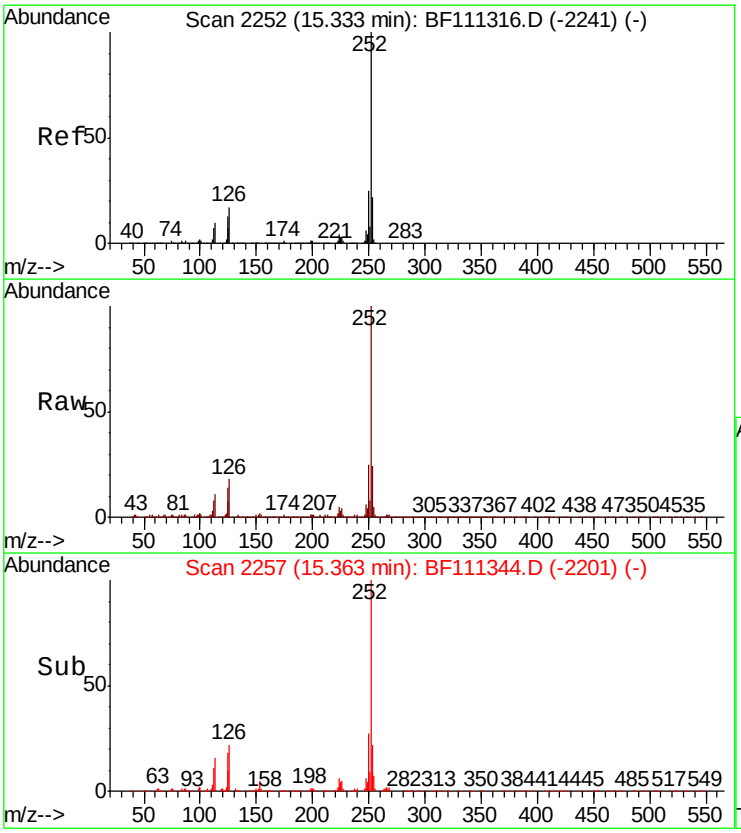
#89
Benzo(k)fluoranthene
Concen: 282.700 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:252 Resp: 5056174

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	14.8	9.8	14.8#

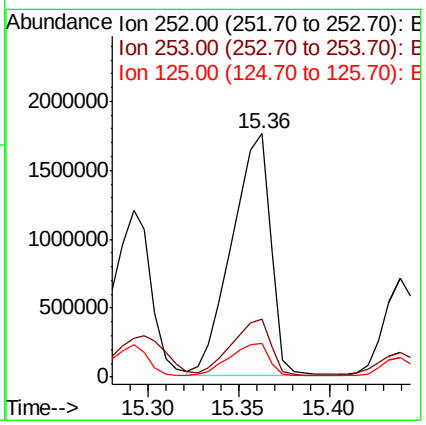


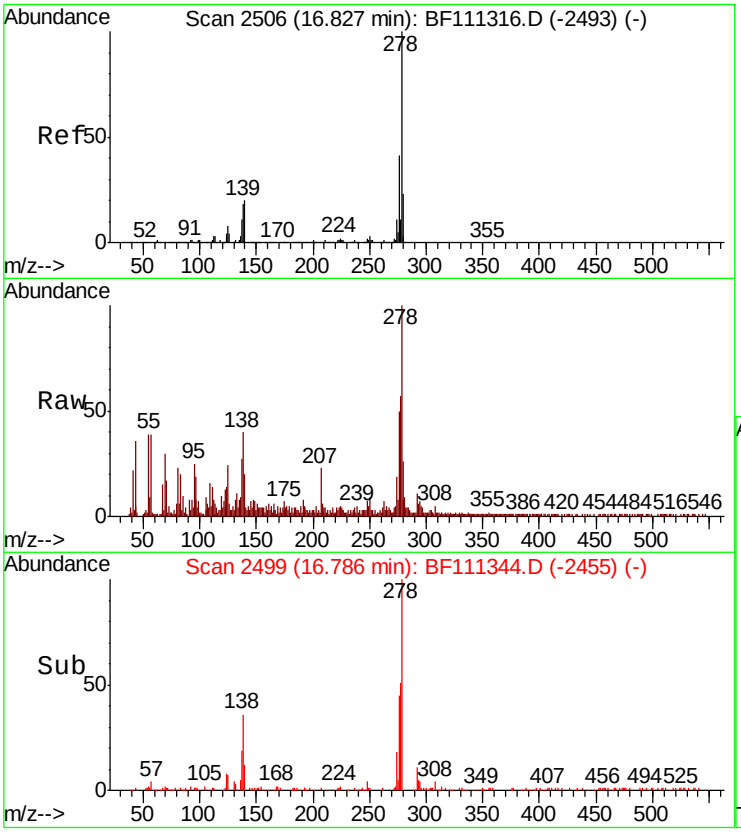


#90
Benzo(a)pyrene
Concen: 157.890 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.03 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:252 Resp: 2634154

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	13.7	12.3	18.5



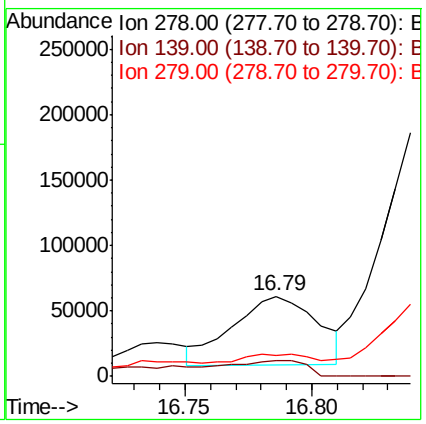


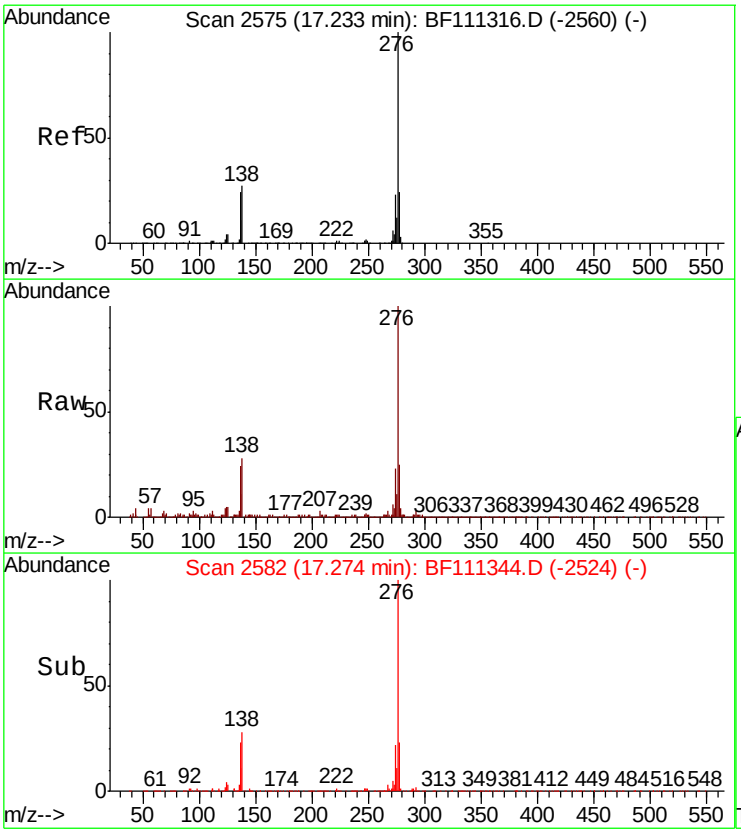
#91
Dibenzo(a,h)anthracene
Concen: 8.874 ng
RT: 16.79 min Scan# 2499
Delta R.T. -0.04 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Instrument :
BNA_F
ClientSampleId :
SB-9(0-2)

Tgt Ion:278 Resp: 123174

Ion	Ratio	Lower	Upper
278	100		
139	20.1	18.2	27.4
279	26.3	19.0	28.6





#92
Benzo(g,h,i)perylene
Concen: 99.330 ng
RT: 17.27 min Scan# 2582
Delta R.T. 0.04 min
Lab File: BF111344.D
Acq: 13 Dec 2018 1:40

Tgt Ion:276 Resp: 1378463

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.2	28.8
138	28.3	24.9	37.3