Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110218\
Data File : BF110421.D
Acq On : 2 Nov 2018 19:34
Operator : JU/SJ
Sample : J5759-21 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Nov 03 00:51:35 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	98575	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	406933	20.00	ng		0.00
39) Acenaphthene-d10	9.99	164	173492	20.00	ng		0.00
64) Phenanthrene-d10	11.49	188	259094	20.00	ng		0.00
76) Chrysene-d12	14.14	240	174420	20.00	ng		0.00
87) Perylene-d12	15.66	264	165097	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.57	112	22060	3.64	ng		0.00
7) Phenol-d6	6.57	99	33489	4.33	ng		0.00
23) Nitrobenzene-d5	7.52	82	20380	2.97	ng		0.00
42) 2,4,6-Tribromophenol	10.79	330	3817	2.22	ng		0.00
45) 2-Fluorobiphenyl	9.31	172	37470	3.39	ng		0.00
79) Terphenyl-d14	13.06	244	23760	2.83	ng		-0.01
Target Compounds							Qvalue
9) Benzaldehyde	6.72	77	507	Below Cal		#	69
38) 1-Methylnaphthalene	9.05	142	24369	2.032	ng		95
51) 2,6-Dinitrotoluene	9.99	165	23386	8.477	ng	#	22
52) Acenaphthene	10.03	154	57692	5.247	ng		97
58) Fluorene	10.55	166	51919	4.531	ng		95
71) Phenanthrene	11.52	178	1170343	86.328	ng		99
72) Anthracene	11.56	178	255021	18.767	ng		98
73) Carbazole	11.72	167	39075	2.945	ng		95
75) Fluoranthene	12.71	202	1198189	87.085	ng		98
77) Benzidine	12.86	184	114	Below Cal		#	65
78) Pyrene	12.94	202	1573133	125.806	ng		99
81) Benzo(a)anthracene	14.13	228	645337	62.391	ng		98
83) Chrysene	14.16	228	558159	56.814	ng		98
86) Indeno(1,2,3-cd)pyrene	17.22	276	199020	24.419	ng		99
88) Benzo(b)fluoranthene	15.21	252	738945	77.508	ng		98
89) Benzo(k)fluoranthene	15.21	252	737460	78.682	ng	#	97
90) Benzo(a)pyrene	15.60	252	457045	52.099	ng		99
91) Dibenzo(a,h)anthracene	17.40	278	41601	5.496	ng		97
92) Benzo(g,h,i)perylene	17.70	276	220109	29.509	ng		97

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

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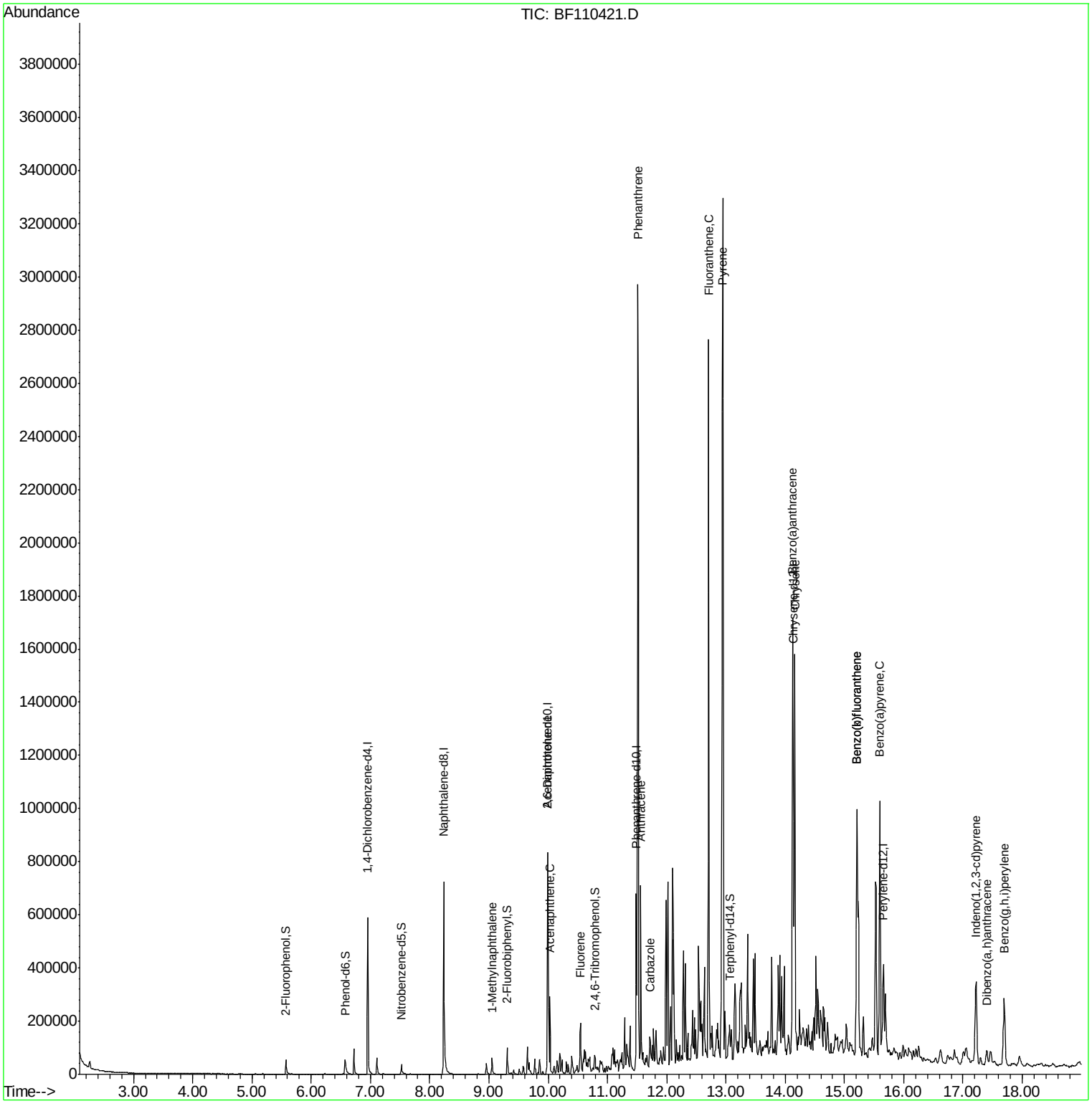
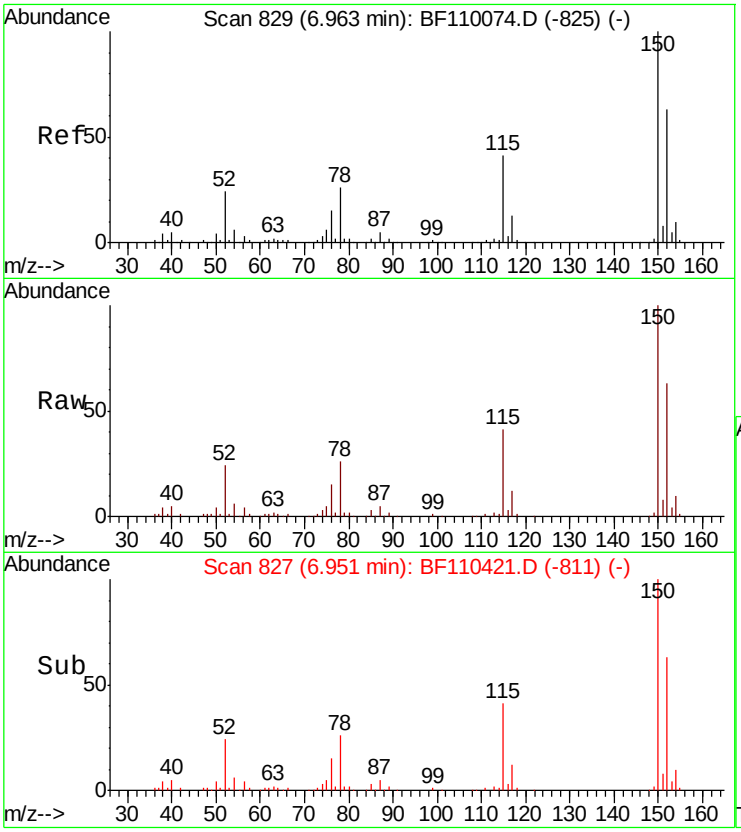


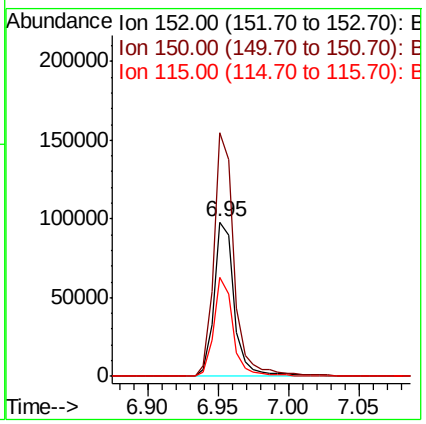


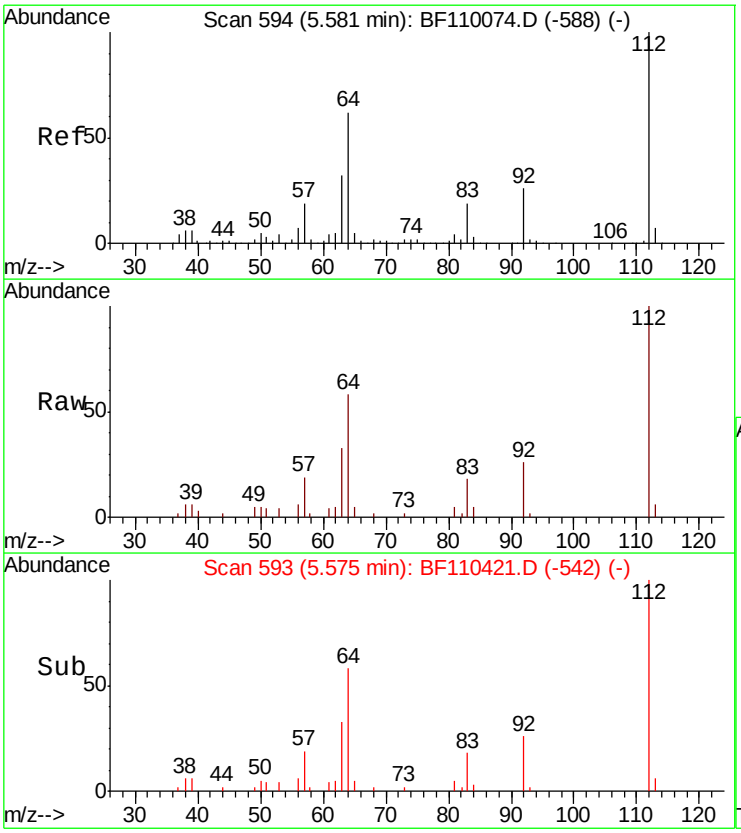
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 98575

Ion	Ratio	Lower	Upper
152	100		
150	157.6	122.7	184.1
115	64.3	49.1	73.7

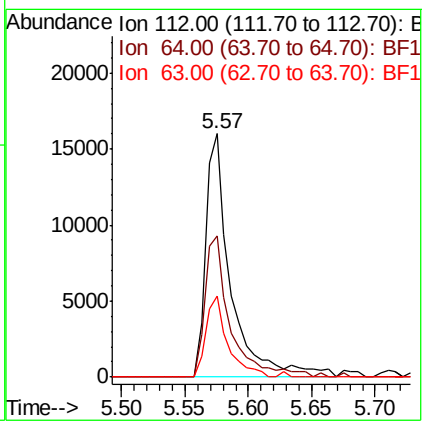


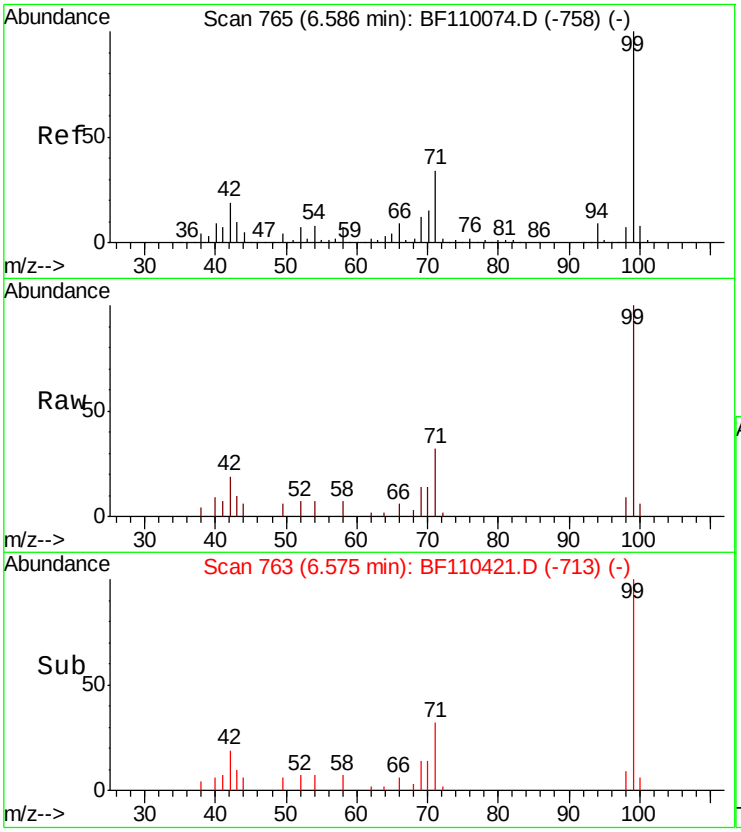


#5
2-Fluorophenol
Concen: 3.644 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:112 Resp: 22060

Ion	Ratio	Lower	Upper
112	100		
64	57.8	44.1	66.1
63	33.0	23.7	35.5

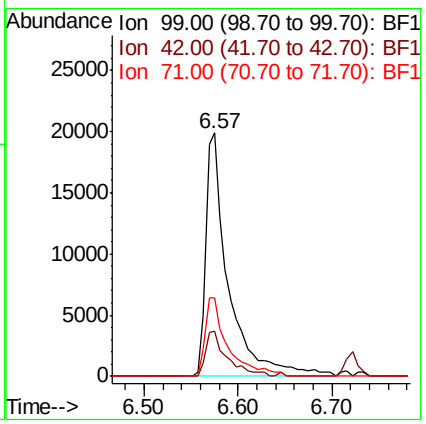




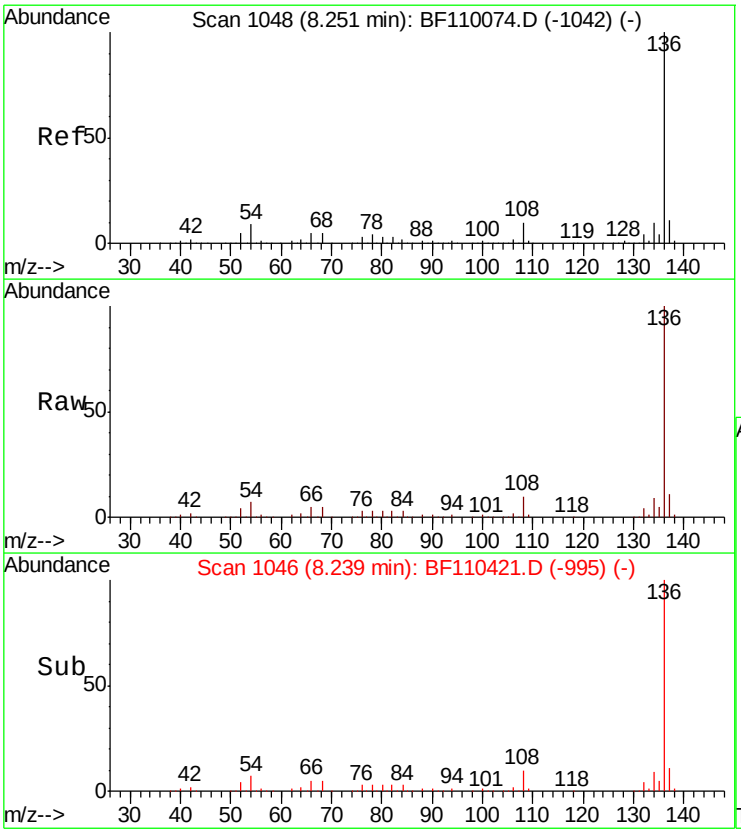
#7
Phenol-d6
Concen: 4.325 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion: 99 Resp: 33489

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.6
71	32.4	28.0	42.0



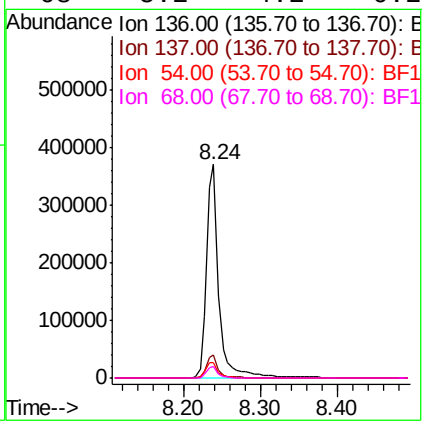
Instrument :
BNA_F
ClientSampleId :

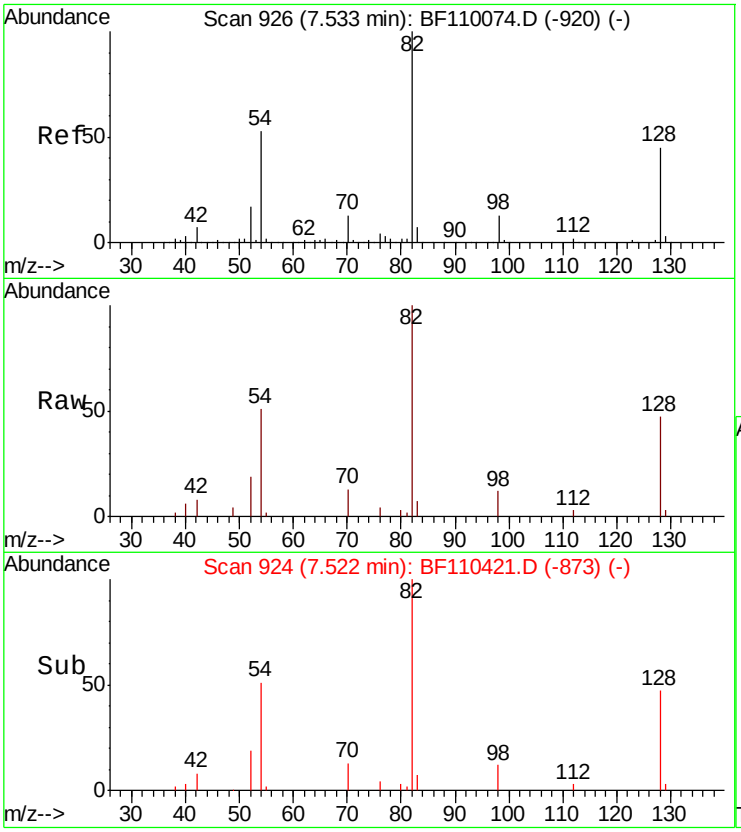


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:136 Resp: 406933

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.3	5.4	8.2
68	5.2	4.2	6.2



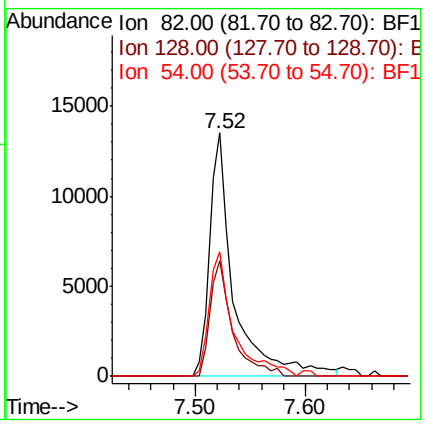


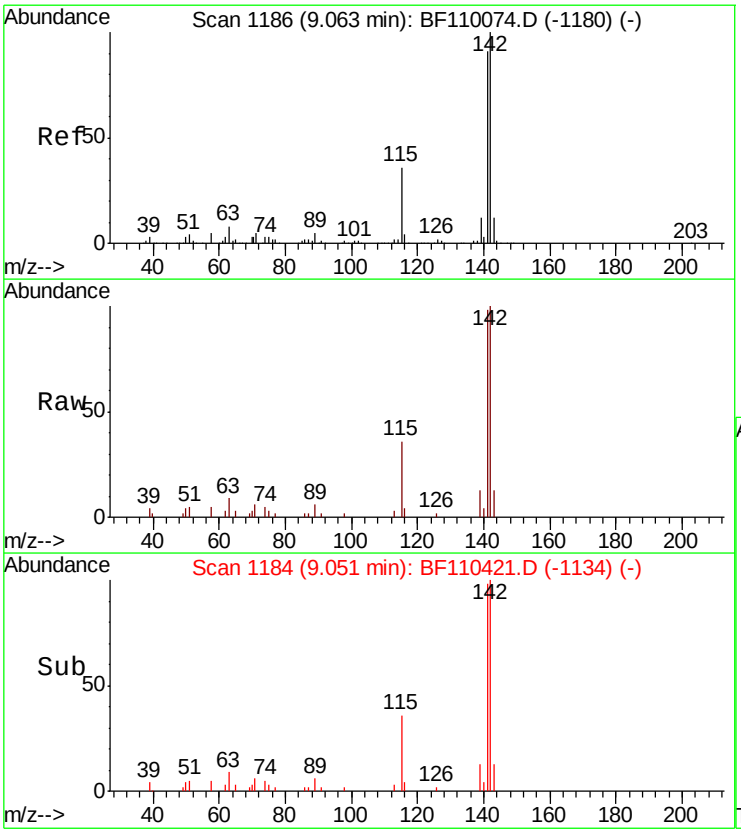
#23
Nitrobenzene-d5
Concen: 2.971 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 20380

Ion	Ratio	Lower	Upper
82	100		
128	47.4	34.2	51.2
54	51.3	38.6	58.0

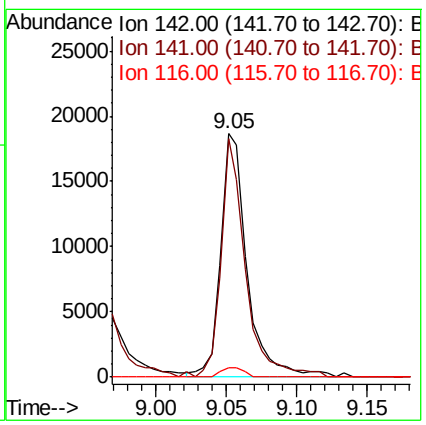


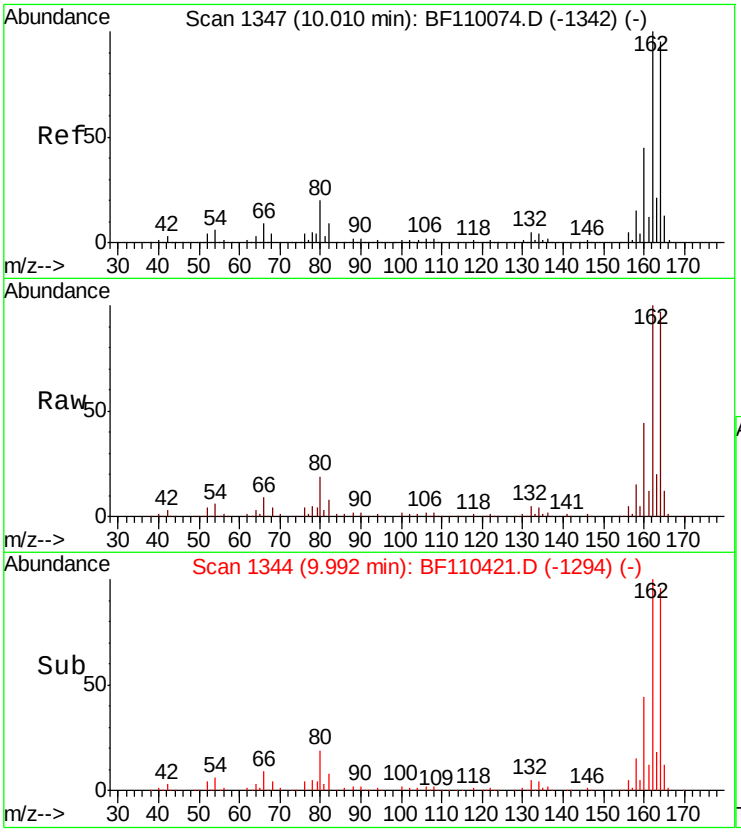


#38
1-Methylnaphthalene
Concen: 2.032 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:142 Resp: 24369

Ion	Ratio	Lower	Upper
142	100		
141	98.1	74.2	111.4
116	3.7	2.6	4.0



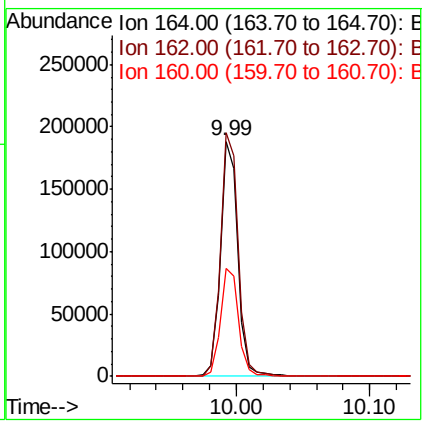


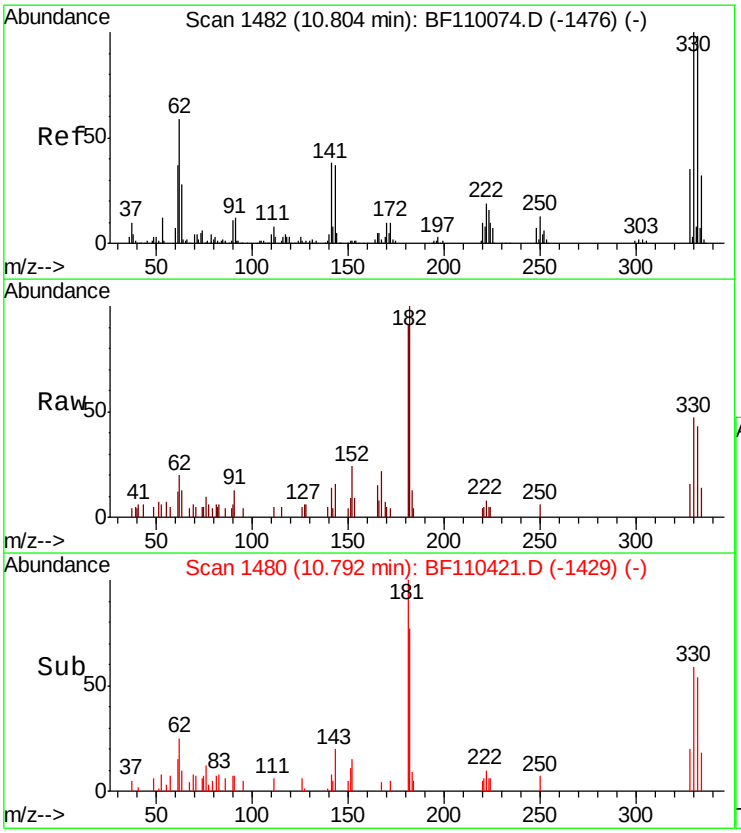
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 173492

Ion	Ratio	Lower	Upper
164	100		
162	103.5	83.0	124.6
160	45.9	37.0	55.6

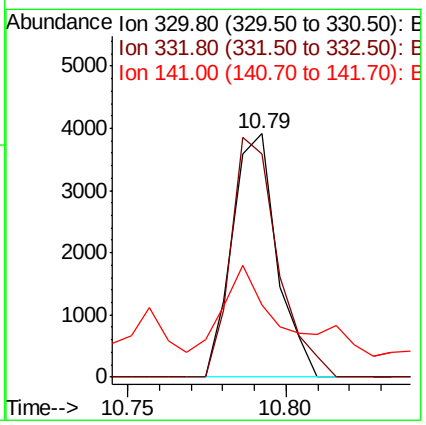


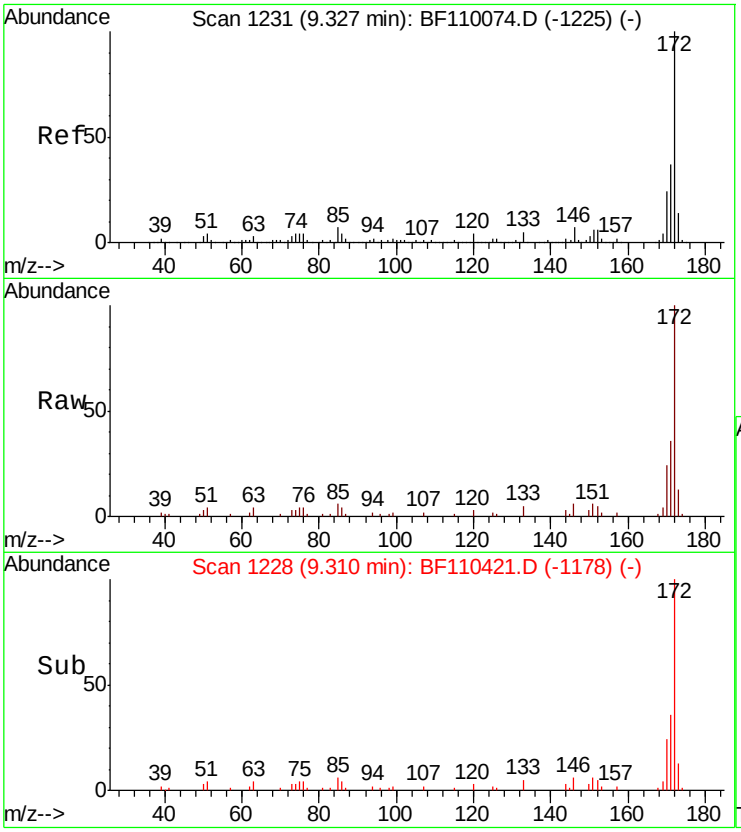


#42
2,4,6-Tribromophenol
Concen: 2.221 ng
RT: 10.79 min Scan# 1480
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:330 Resp: 3817

Ion	Ratio	Lower	Upper
330	100		
332	103.0	77.1	115.7
141	86.8	27.0	40.4#



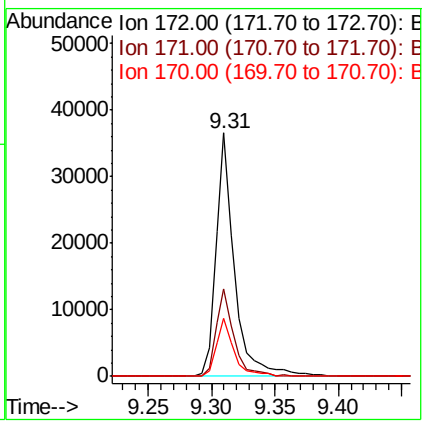


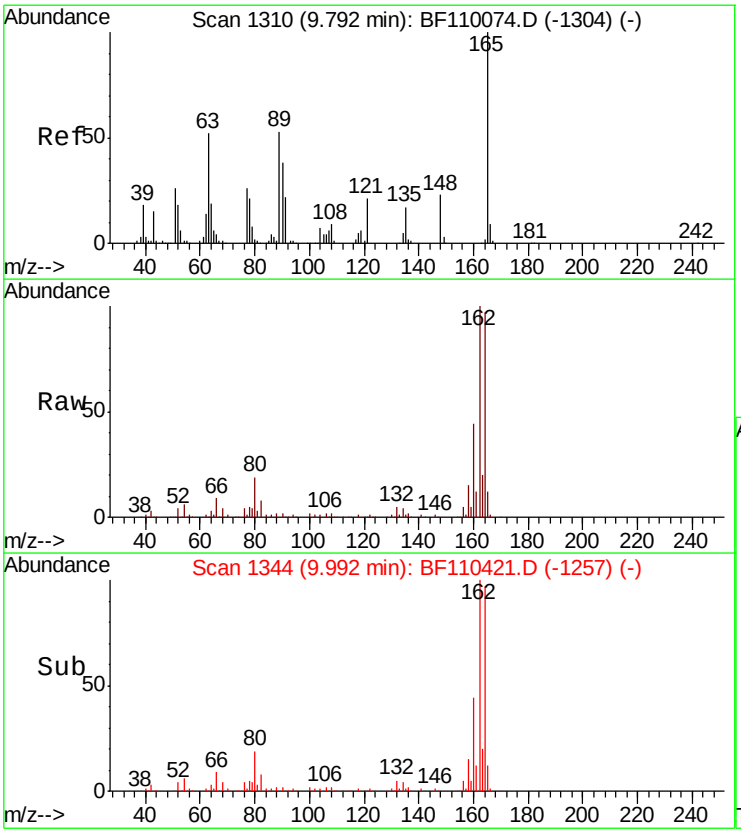
#45
2-Fluorobiphenyl
Concen: 3.391 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 37470

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.8	19.7	29.5

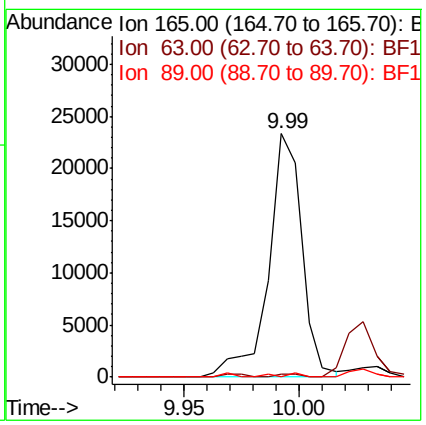


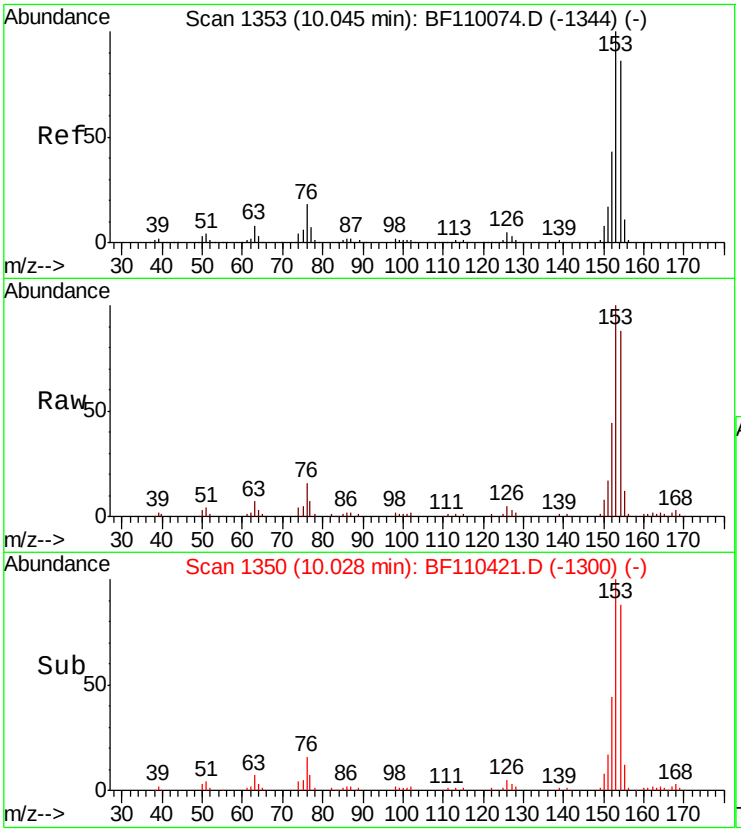


#51
2,6-Dinitrotoluene
Concen: 8.477 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.21 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:165 Resp: 23386

Ion	Ratio	Lower	Upper
165	100		
63	1.5	48.9	73.3#
89	0.0	46.6	69.8#



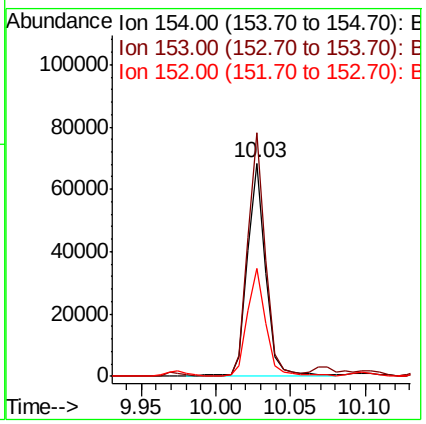


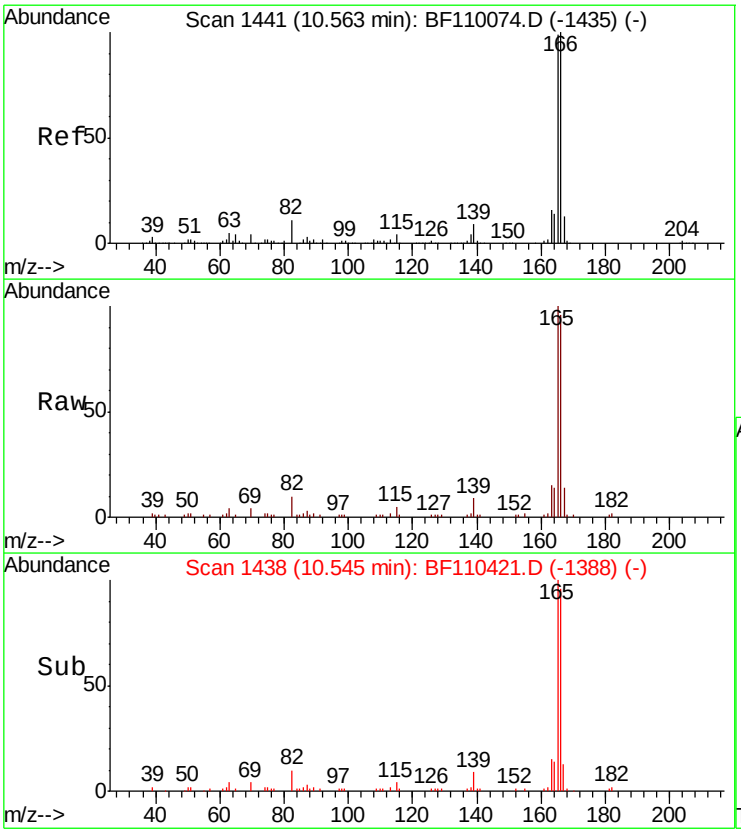
#52
Acenaphthene
Concen: 5.247 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 57692

Ion	Ratio	Lower	Upper
154	100		
153	114.1	90.1	135.1
152	50.8	43.4	65.2

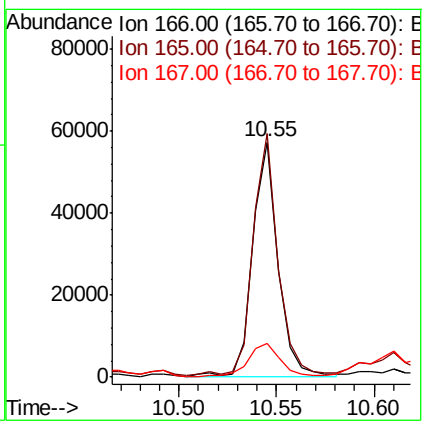


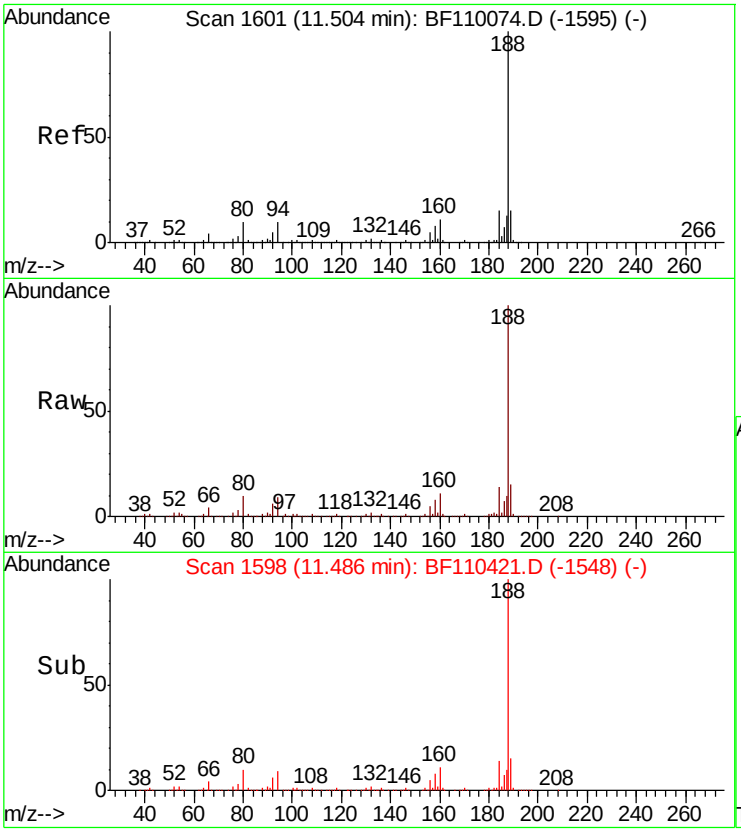


#58
Fluorene
Concen: 4.531 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:166 Resp: 51919

Ion	Ratio	Lower	Upper
166	100		
165	103.7	78.6	117.8
167	14.6	10.8	16.2



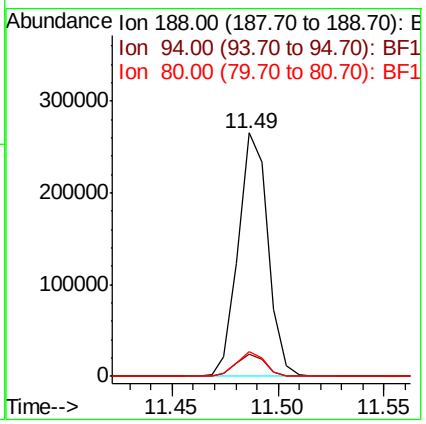


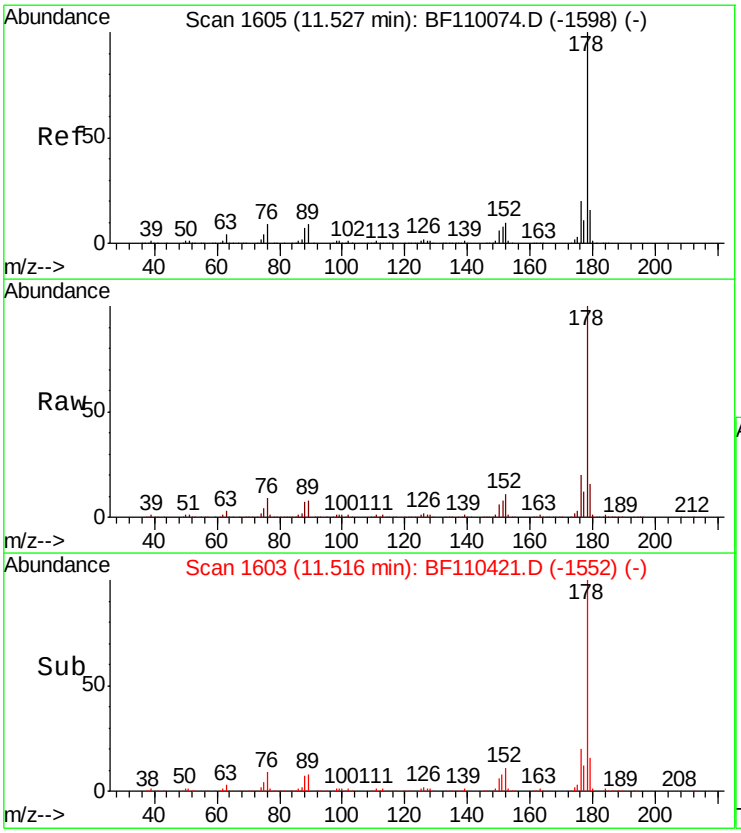
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 259094

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.2	10.8
80	10.1	7.9	11.9

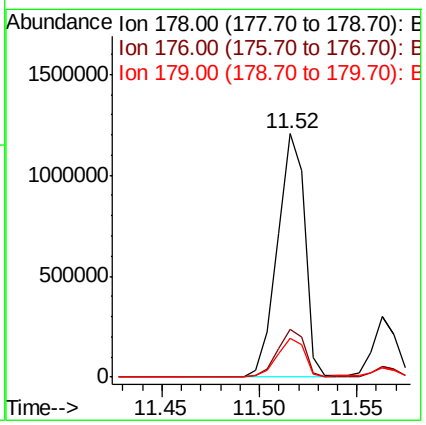


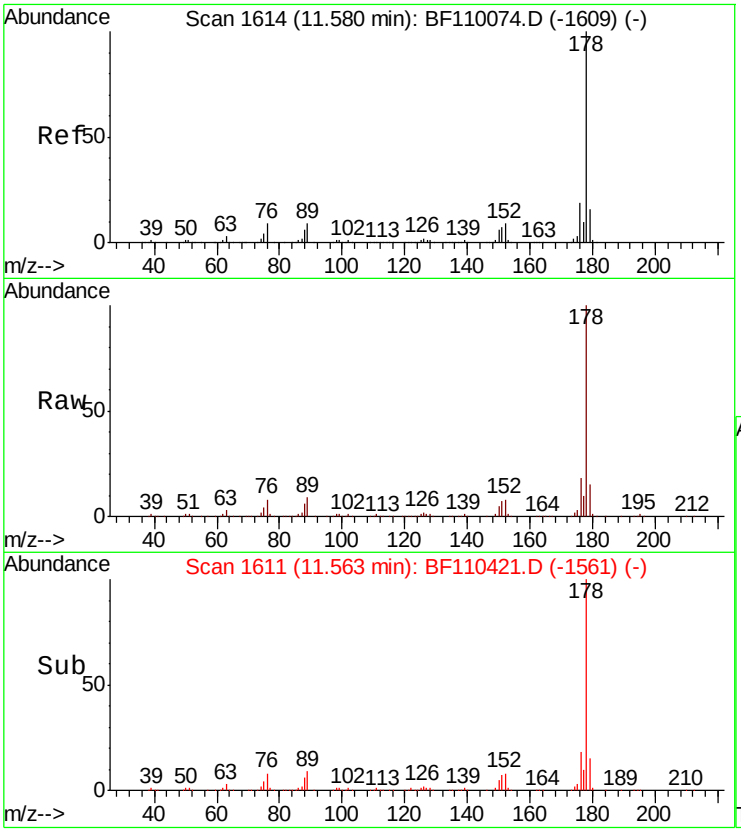


#71
Phenanthrene
Concen: 86.328 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:178 Resp: 1170343

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	16.0	12.5	18.7



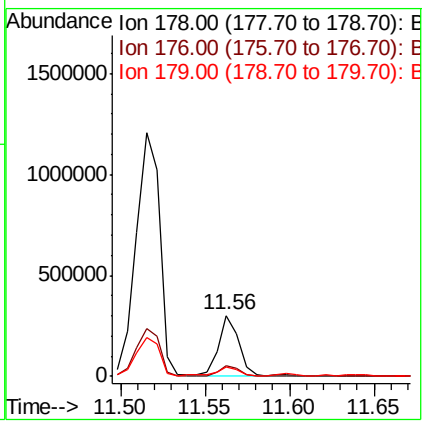


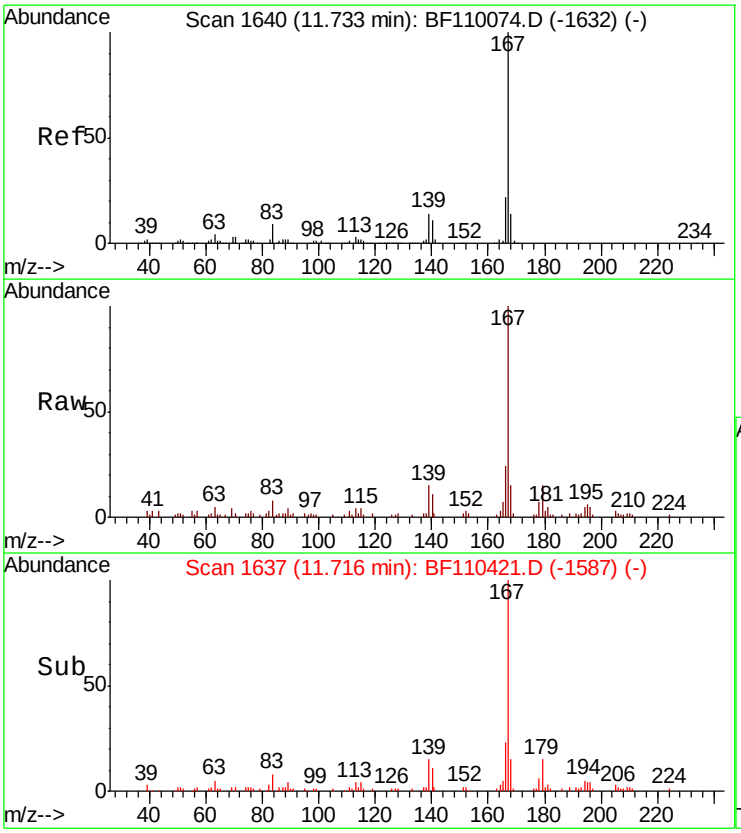
#72
Anthracene
Concen: 18.767 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 255021

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.3	12.6	18.8

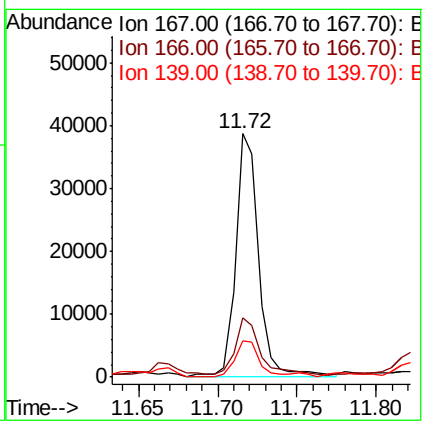


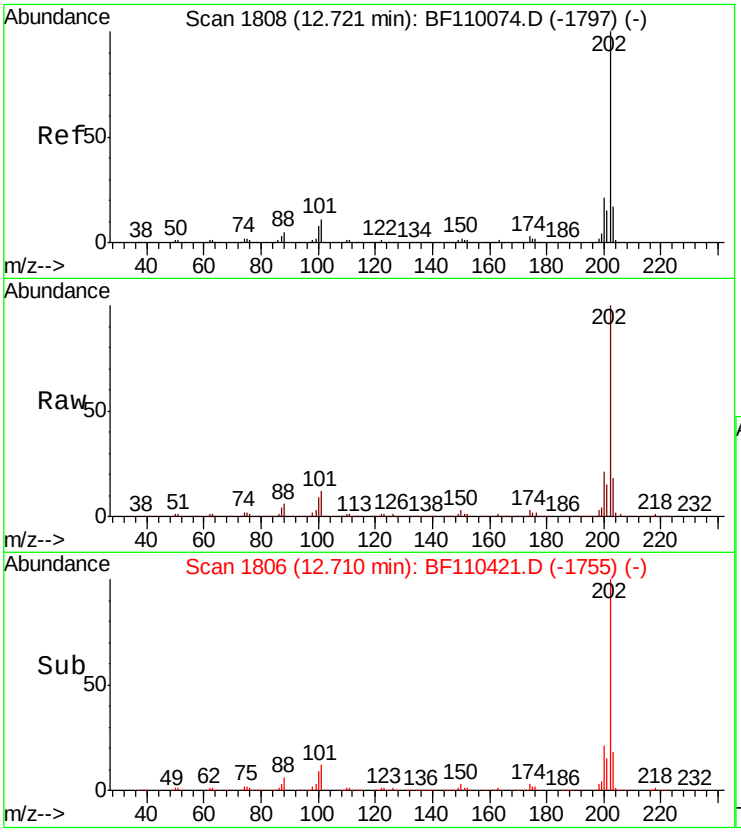


#73
Carbazole
Concen: 2.945 ng
RT: 11.72 min Scan# 1637
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:167 Resp: 39075

Ion	Ratio	Lower	Upper
167	100		
166	24.3	17.4	26.0
139	14.8	10.9	16.3



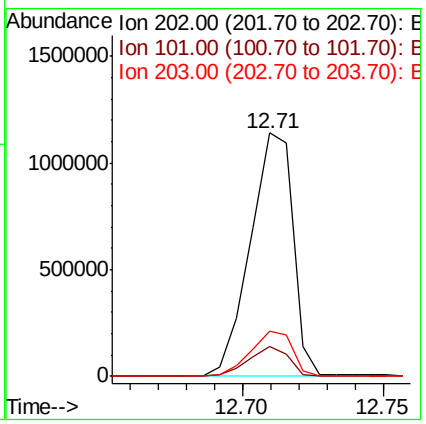


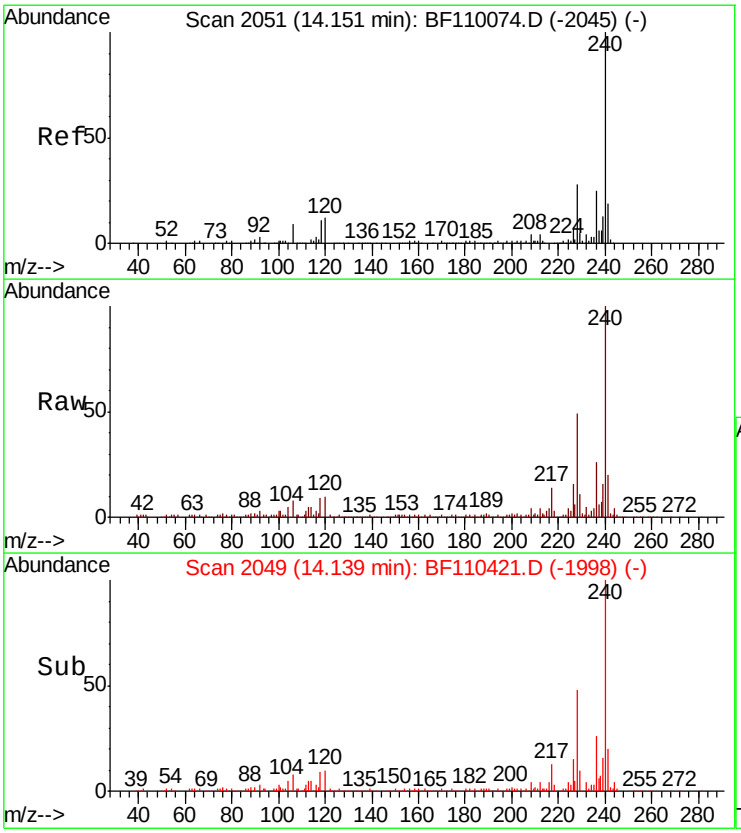
#75
Fluoranthene
Concen: 87.085 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1198189

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.4
203	18.4	0.0	37.7

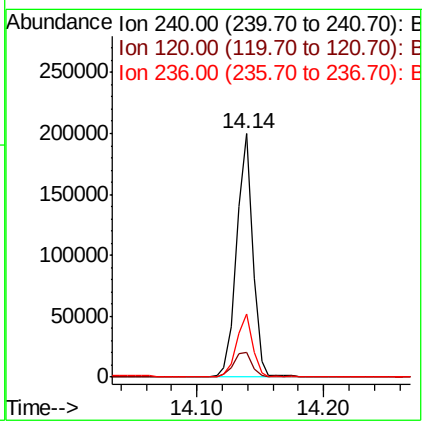


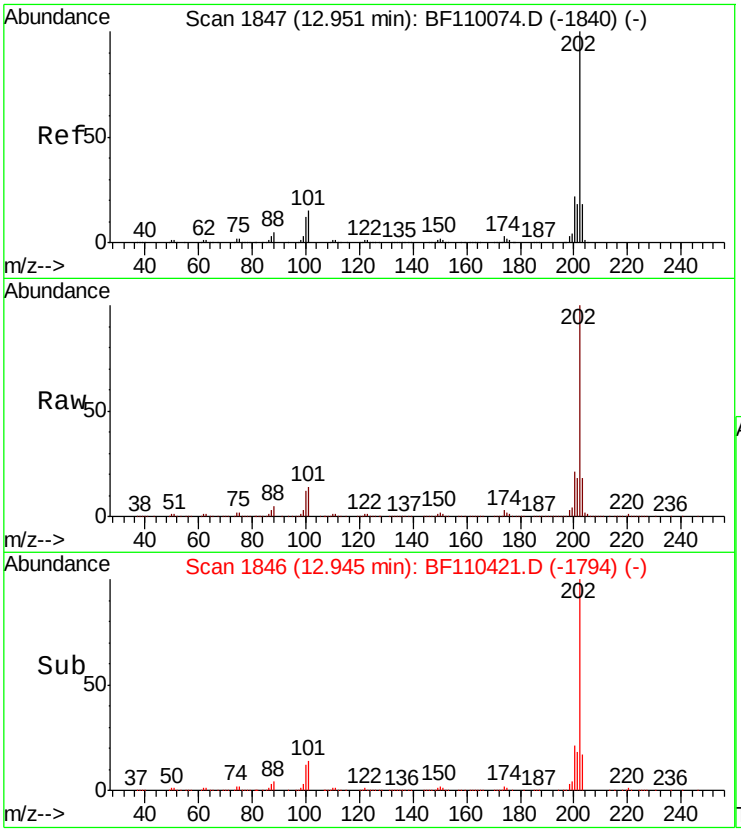


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:240 Resp: 174420

Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	25.9	21.2	31.8



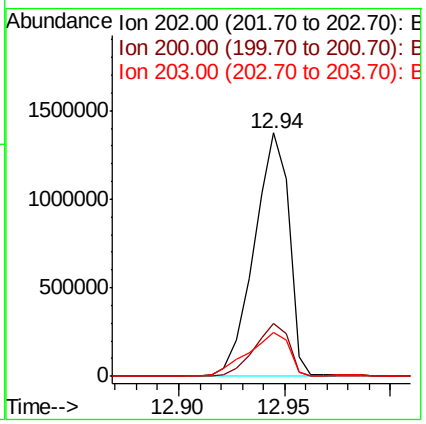


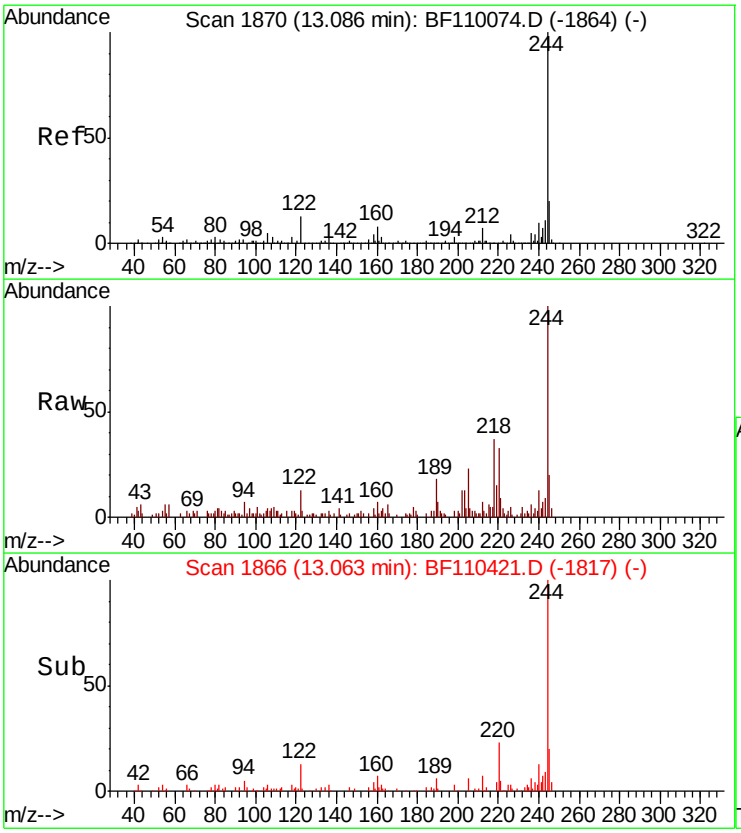
#78
Pyrene
Concen: 125.806 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1573133

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	18.0	14.2	21.4

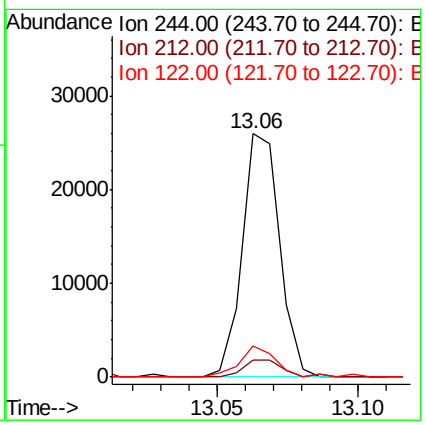


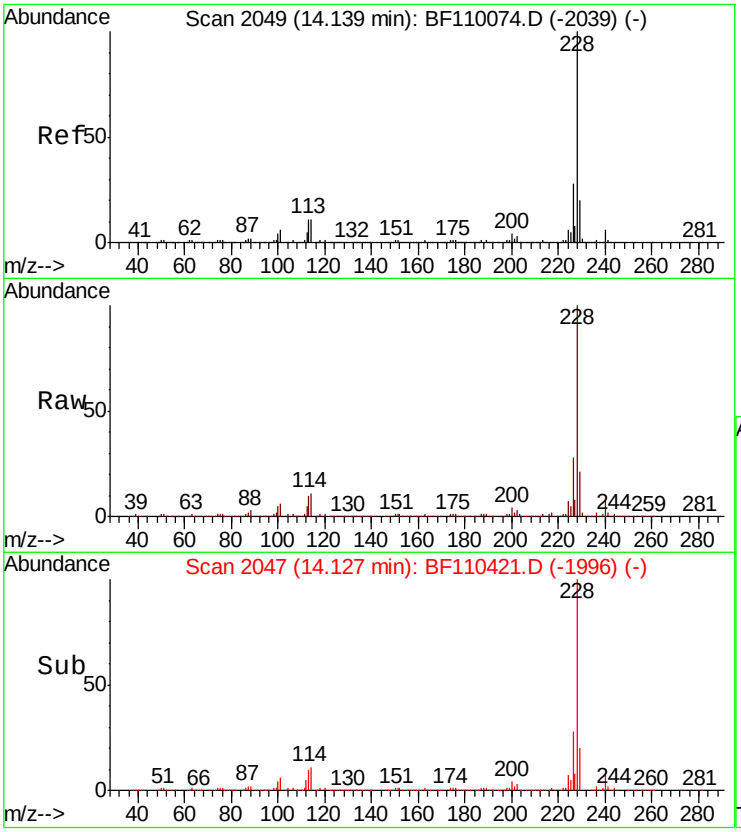


#79
Terphenyl-d14
Concen: 2.833 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:244 Resp: 23760

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.9	8.7	13.1



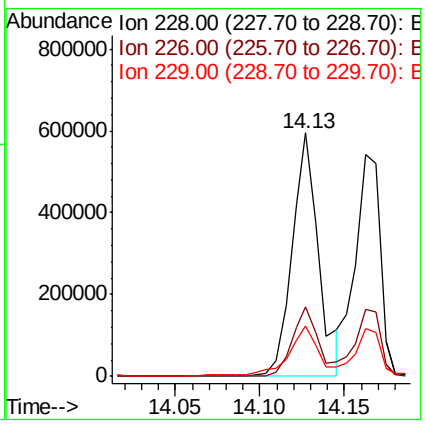


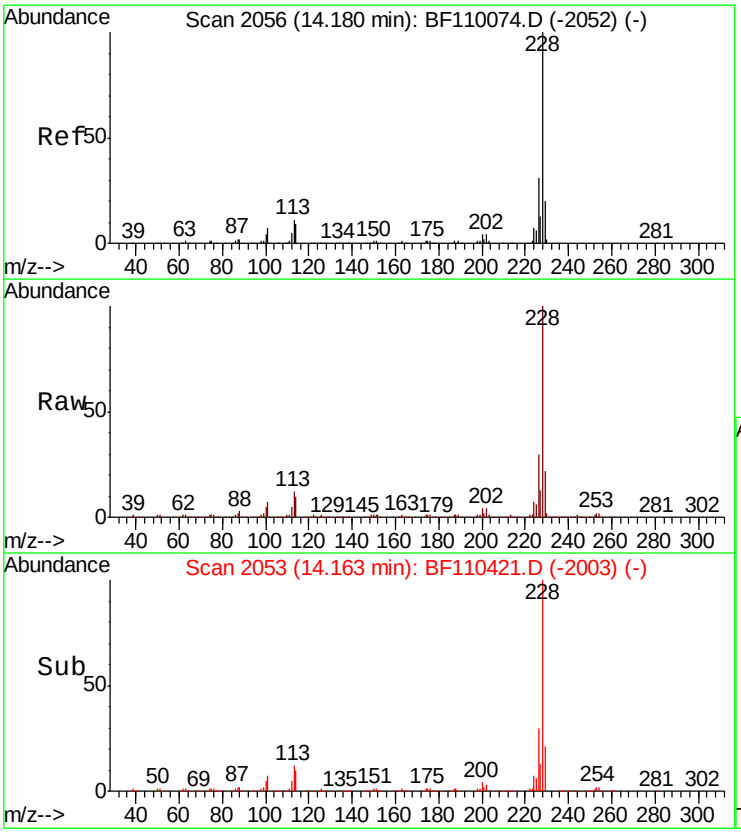
#81
Benzo(a)anthracene
Concen: 62.391 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 645337

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	20.6	15.6	23.4

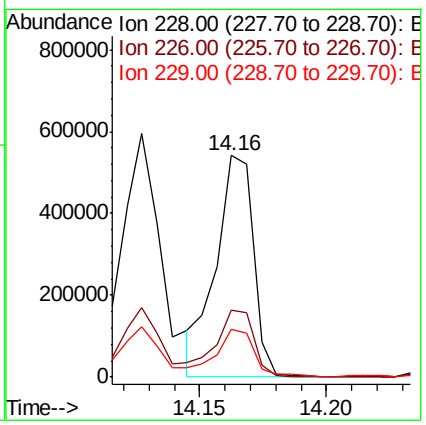


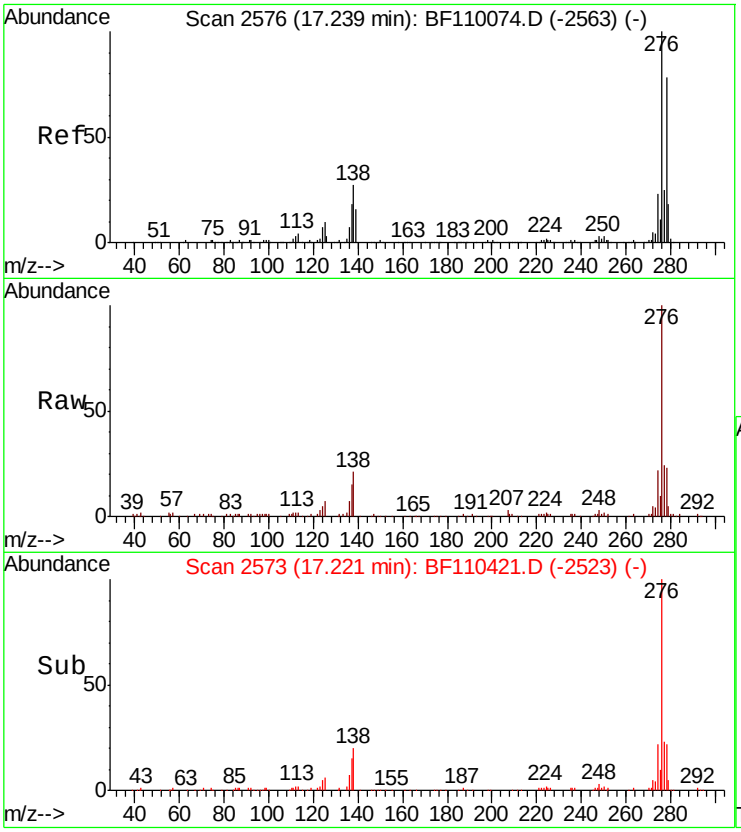


#83
Chrysene
Concen: 56.814 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:228 Resp: 558159

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.7	37.1
229	21.7	15.9	23.9



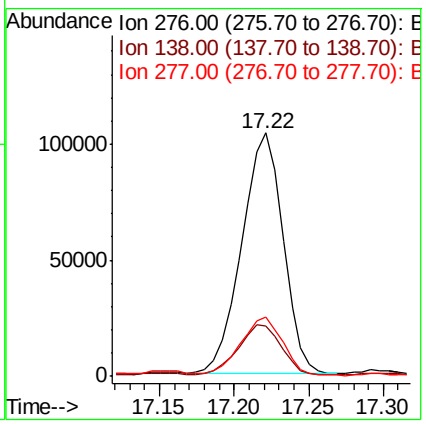


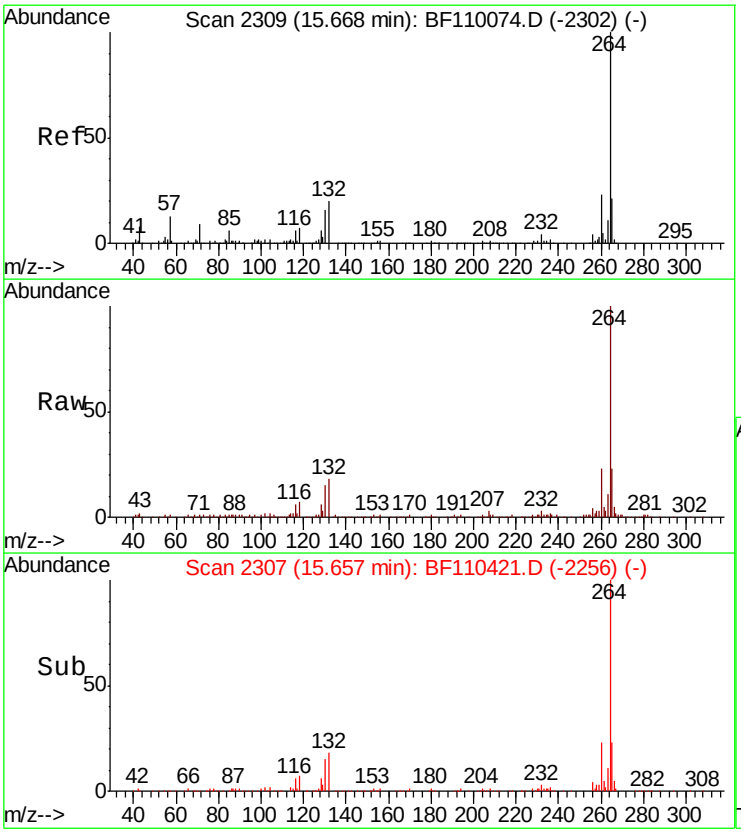
#86
Indeno(1,2,3-cd)pyrene
Concen: 24.419 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 199020

Ion	Ratio	Lower	Upper
276	100		
138	22.3	18.5	27.7
277	25.0	20.0	30.0

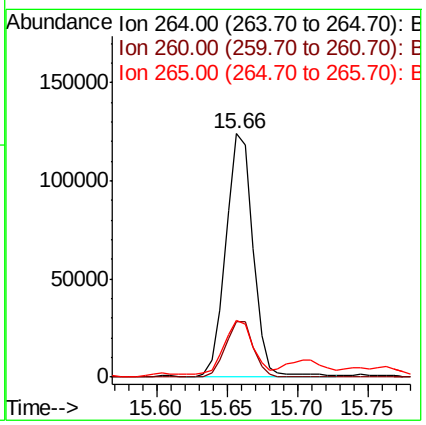


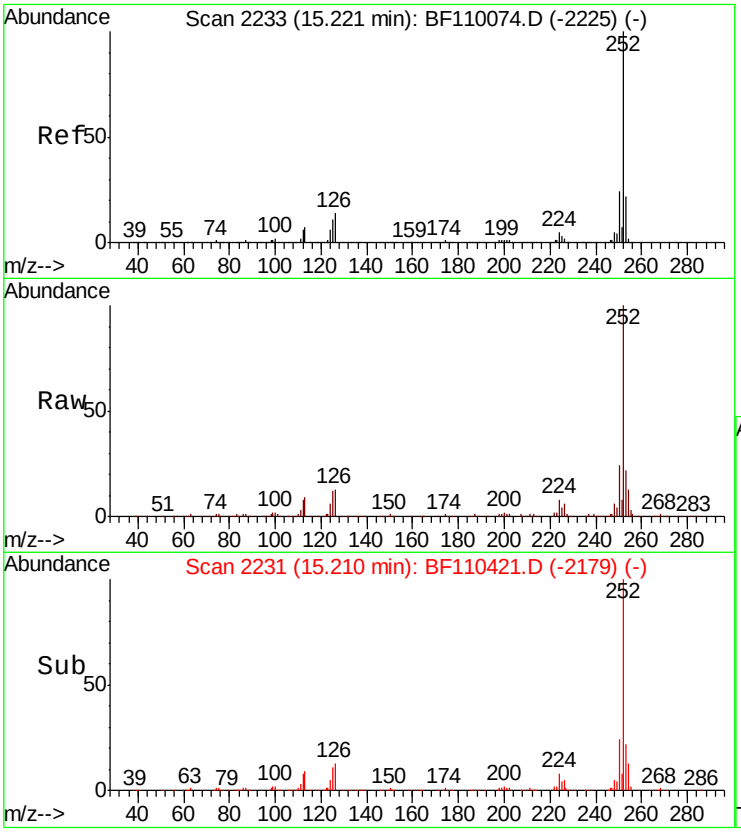


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:264 Resp: 165097

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	23.1	16.7	25.1



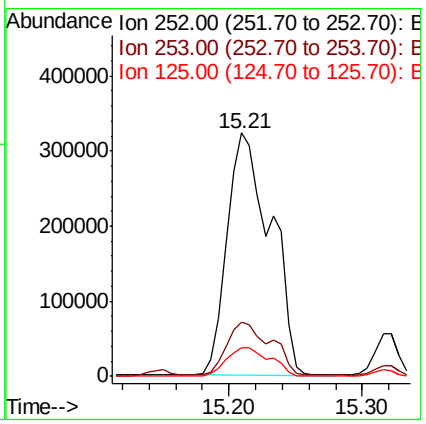


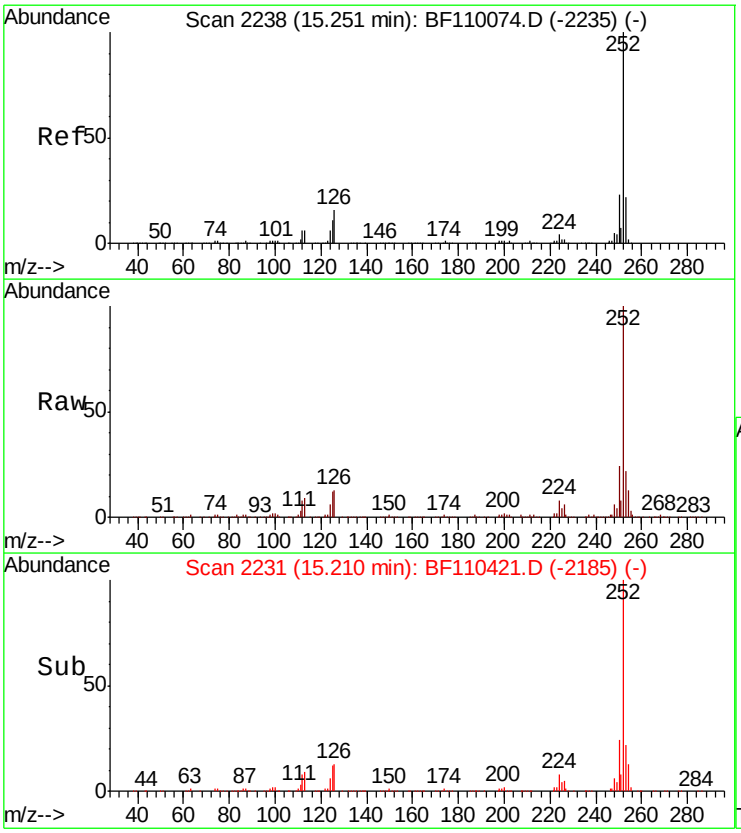
#88
Benzo(b)fluoranthene
Concen: 77.508 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 738945

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	11.7	8.2	12.4

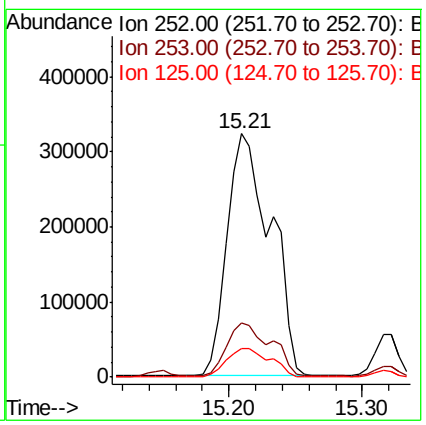


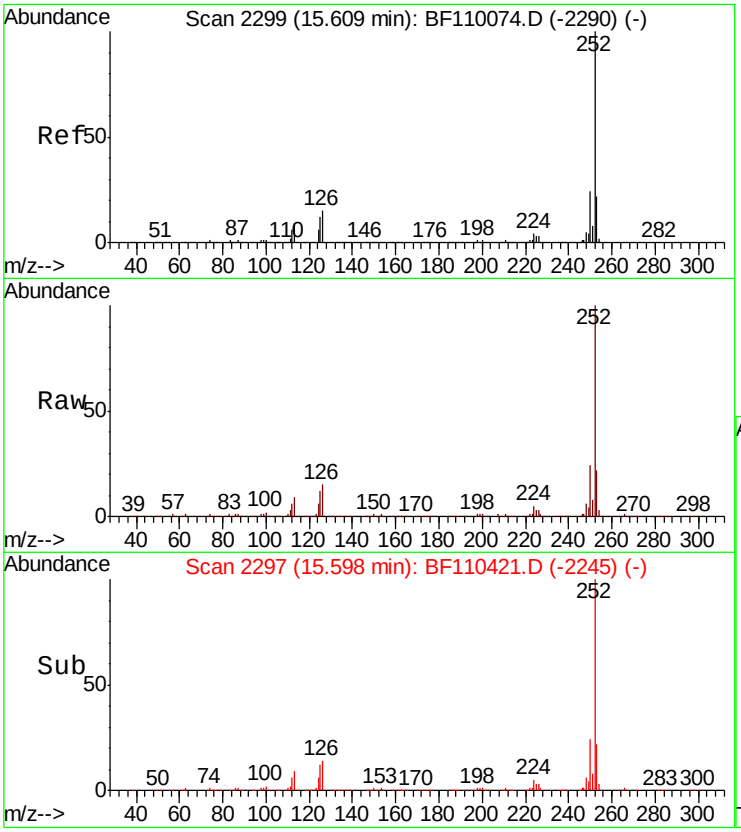


#89
Benzo(k)fluoranthene
Concen: 78.682 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:252 Resp: 737460

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	11.7	7.4	11.0#



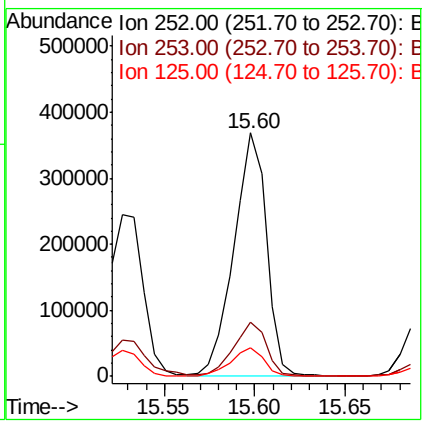


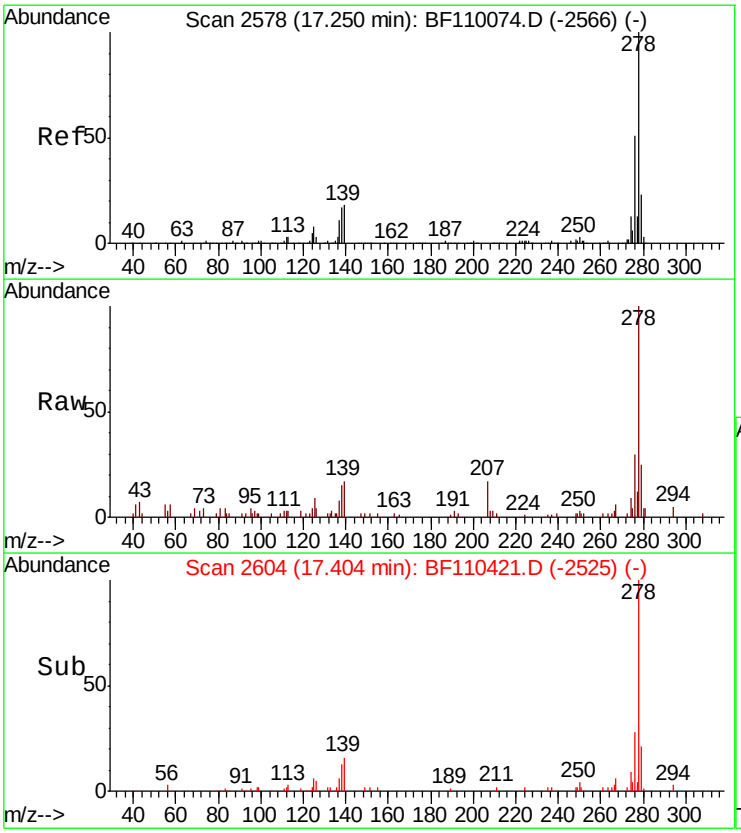
#90
Benzo(a)pyrene
Concen: 52.099 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.01 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 457045

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.4
125	11.8	9.0	13.6

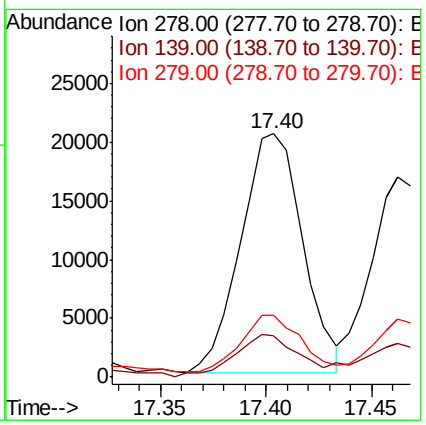


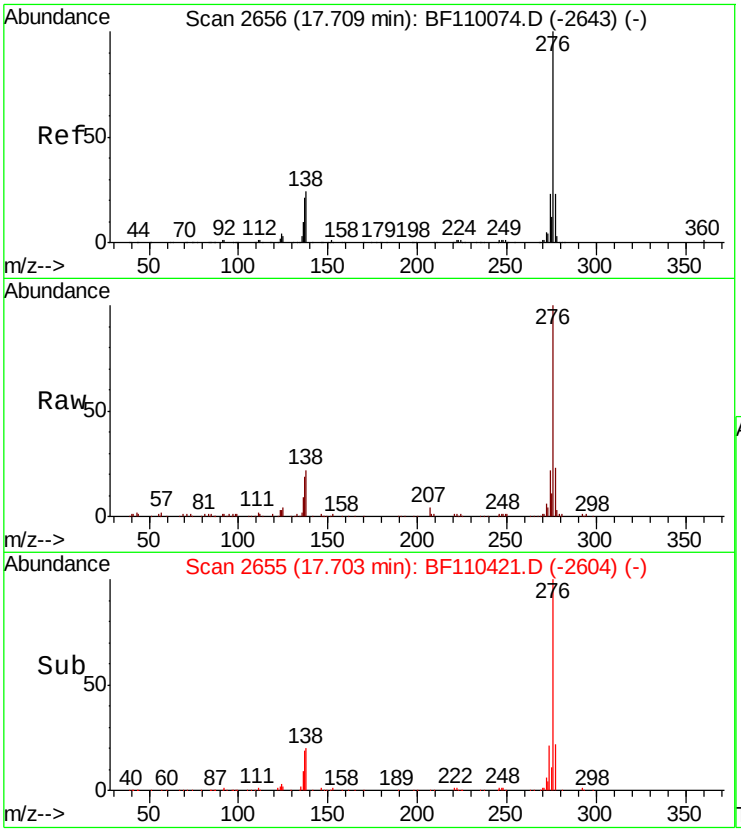


#91
Dibenzo(a,h)anthracene
Concen: 5.496 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.16 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Tgt Ion:278 Resp: 41601

Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.7	19.1
279	25.3	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 29.509 ng
RT: 17.70 min Scan# 2655
Delta R.T. 0.00 min
Lab File: BF110421.D
Acq: 2 Nov 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 220109

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.8	28.2
138	22.3	16.0	24.0