Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122117\
Data File : BF101643.D
Acq On : 22 Dec 2017 8:55
Operator : SJ/JU
Sample : I6681-07DL 5X
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Dec 22 10:24:03 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 20 14:25:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	135604	20.00	ng		0.00
21) Naphthalene-d8	8.08	136	517092	20.00	ng		0.00
38) Acenaphthene-d10	9.83	164	202029	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	297340	20.00	ng		0.00
75) Chrysene-d12	13.97	240	280196	20.00	ng		0.00
86) Perylene-d12	15.44	264	221725	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.42	112	202950	22.29	ng		0.01
7) Phenol-d6	6.44	99	257111	22.69	ng		0.00
23) Nitrobenzene-d5	7.37	82	145583	15.67	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	30900	15.87	ng		0.00
44) 2-Fluorobiphenyl	9.15	172	252361	19.38	ng		0.00
78) Terphenyl-d14	12.90	244	168835	14.53	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	18730	2.517	ng	#	86
25) Isophorone	7.37	82	145583	7.812	ng	#	64
31) Naphthalene	8.10	128	247735	9.516	ng		99
32) Benzoic acid	8.10	122	314	8.013	ng	#	1
33) 4-Chloroaniline	8.10	127	31740	2.805	ng	#	33
37) 2-Methylnaphthalene	8.79	142	135562	7.993	ng		100
50) 2,6-Dinitrotoluene	9.83	165	29610	8.965	ng	#	26
51) Acenaphthene	9.86	154	85500	6.572	ng		99
53) 2,4-Dinitrophenol	10.19	184	115	10.407	ng	#	35
54) Dibenzofuran	10.05	168	54331	3.286	ng		97
57) Fluorene	10.38	166	145604	10.411	ng		100
70) Phenanthrene	11.35	178	705300	42.654	ng		98
71) Anthracene	11.40	178	260771	15.439	ng		99
72) Carbazole	11.56	167	33924	2.145	ng		97
74) Fluoranthene	12.55	202	711748	41.008	ng		97
77) Pyrene	12.77	202	831040	39.519	ng		100
80) Benzo(a)anthracene	13.96	228	459162	24.817	ng		98
82) Chrysene	14.00	228	395363	22.632	ng		98
85) Indeno(1,2,3-cd)pyrene	16.92	276	97672	6.279	ng	#	91
87) Benzo(b)fluoranthene	15.02	252	436248	32.280	ng		96
88) Benzo(k)fluoranthene	15.02	252	435923	33.175	ng		98
89) Benzo(a)pyrene	15.38	252	243293	19.528	ng		97
91) Benzo(g,h,i)perylene	17.37	276	105714	9.981	ng		96

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

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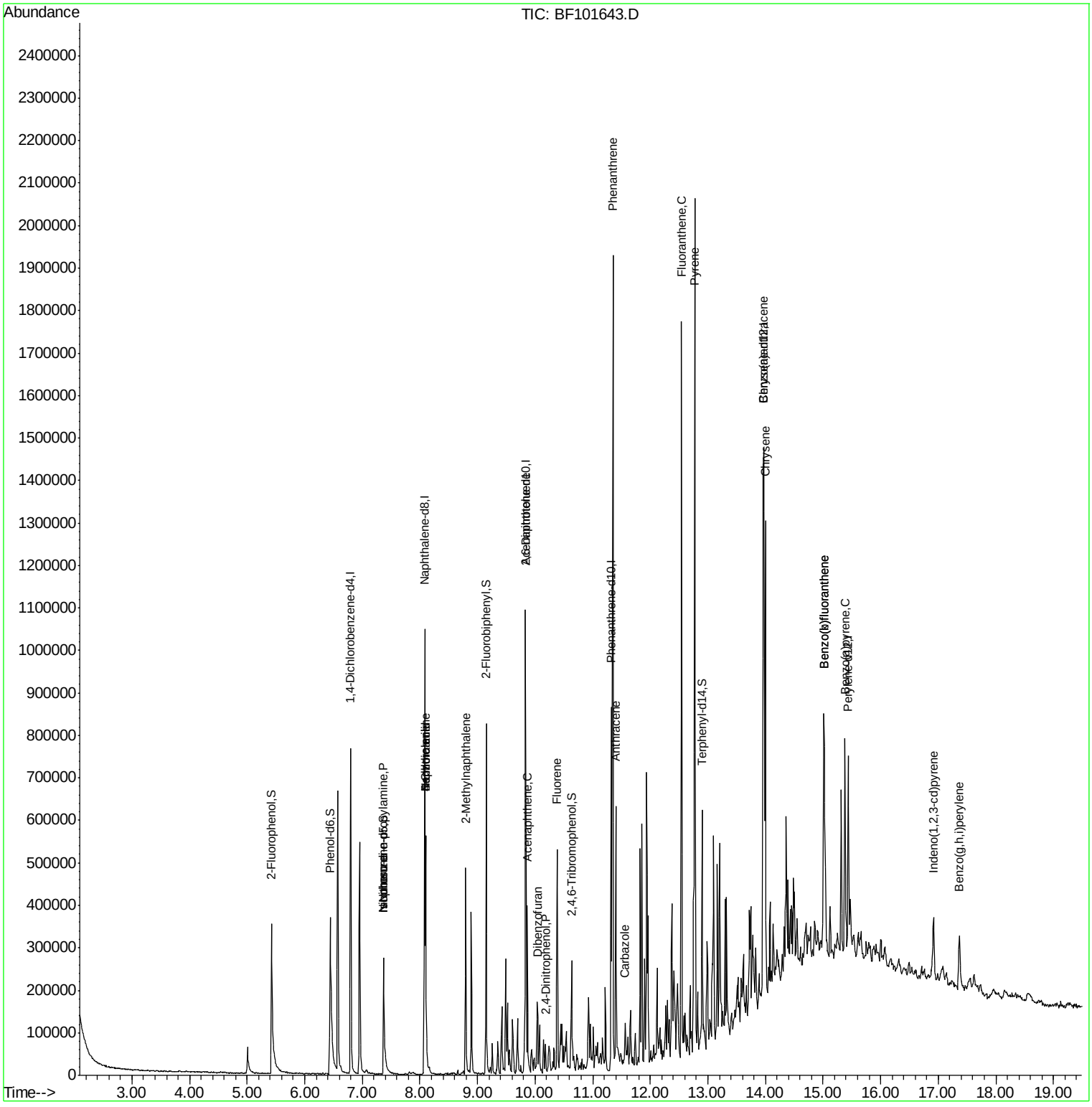
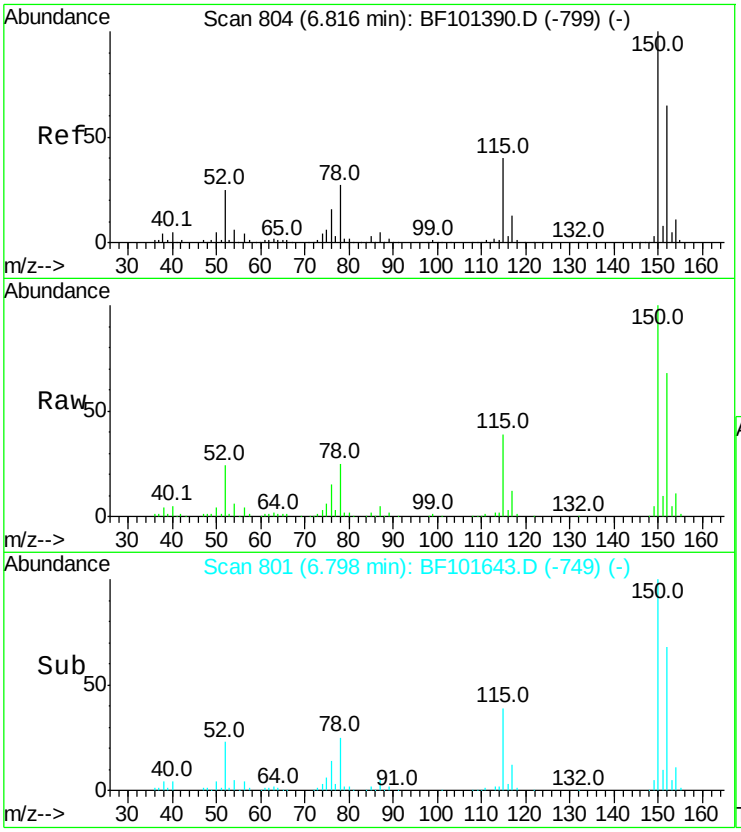


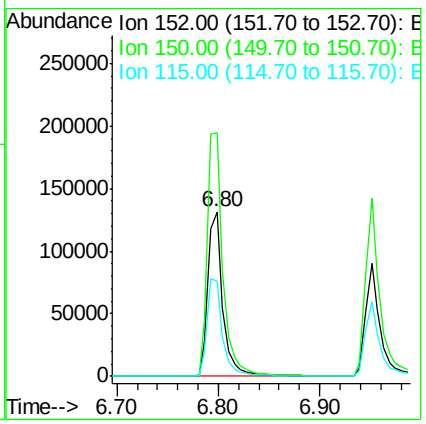


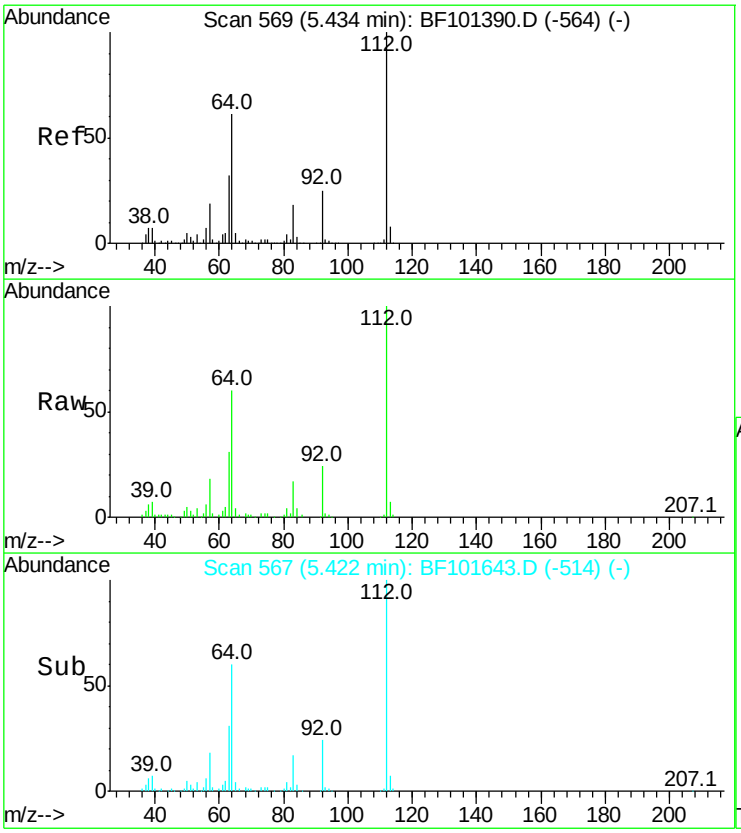
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 135604

Ion	Ratio	Lower	Upper
152	100		
150	148.0	124.6	186.8
115	58.2	50.1	75.1

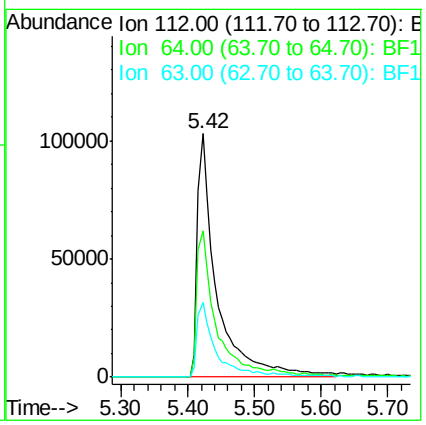


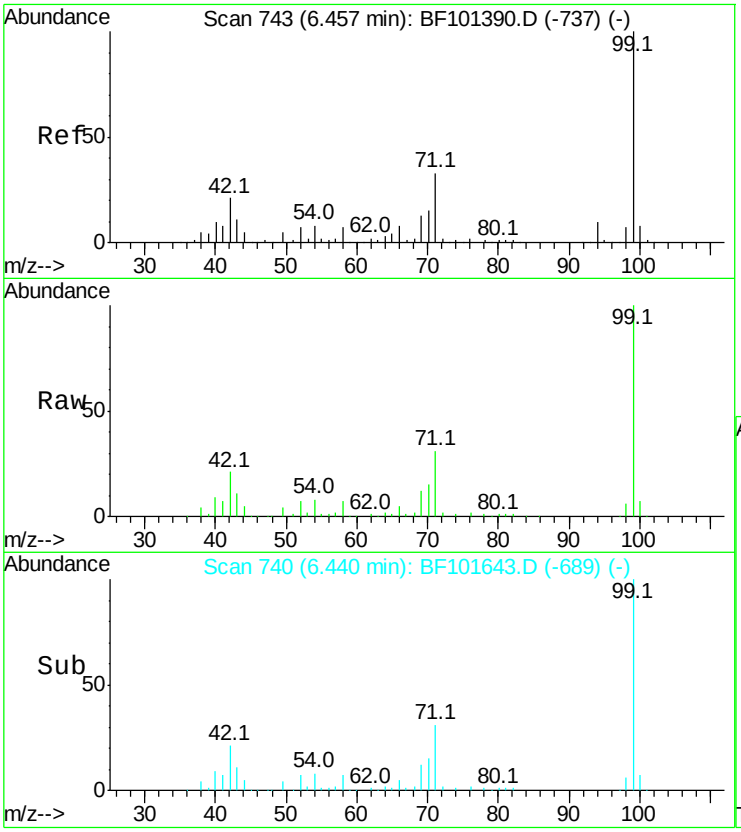


#5
2-Fluorophenol
Concen: 22.294 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:112 Resp: 202950

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.9	71.9
63	30.8	23.7	35.5



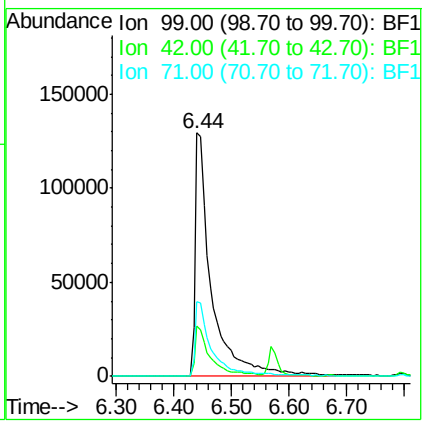


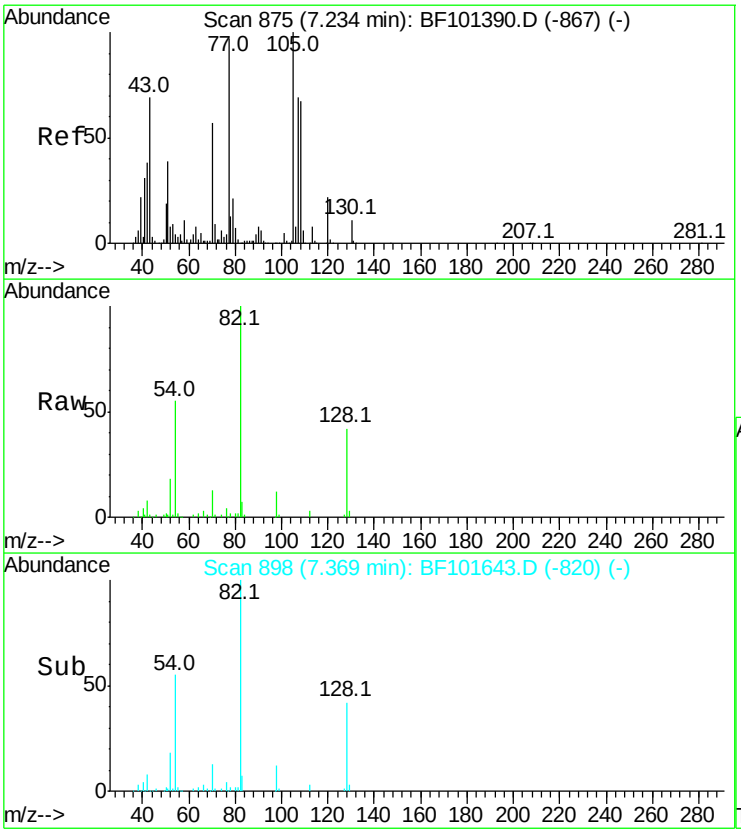
#7
Phenol-d6
Concen: 22.694 ng
RT: 6.44 min Scan# 740
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 257111

Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.5	21.7
71	30.9	25.4	38.0

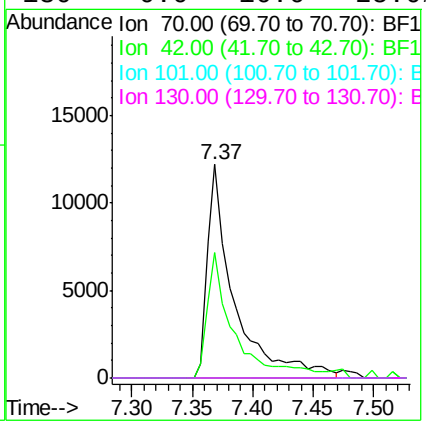


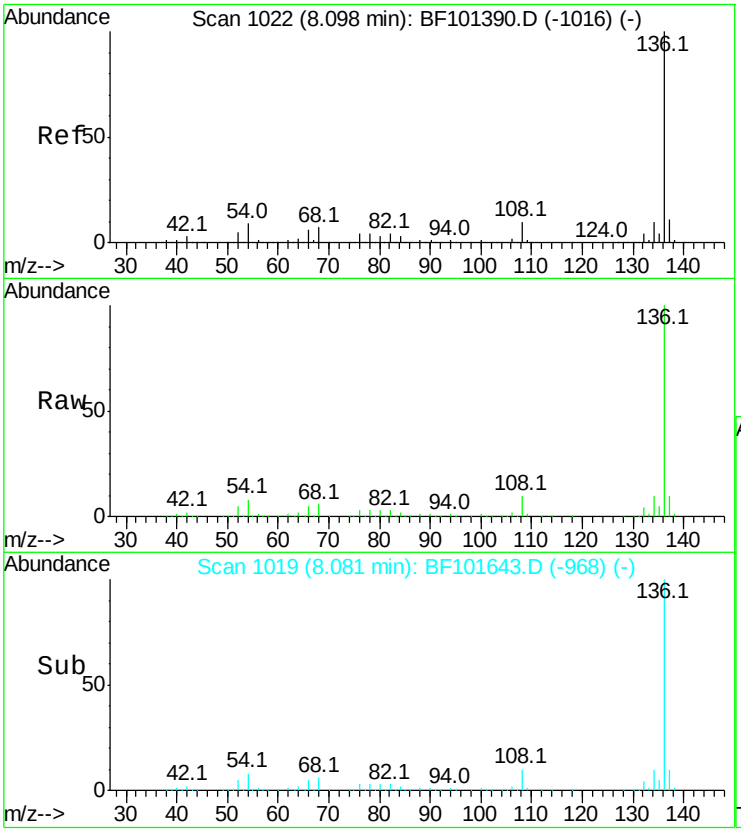


#19
n-Nitroso-di-n-propylamine
Concen: 2.517 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.16 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion: 70 Resp: 18730

Ion	Ratio	Lower	Upper
70	100		
42	58.5	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



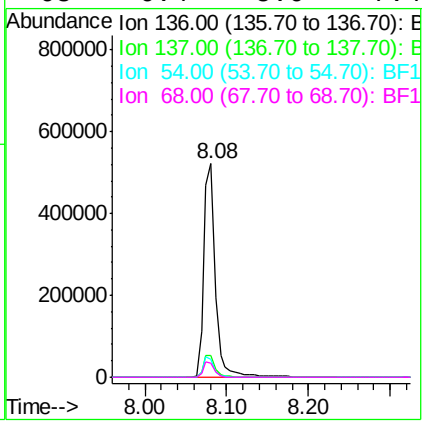


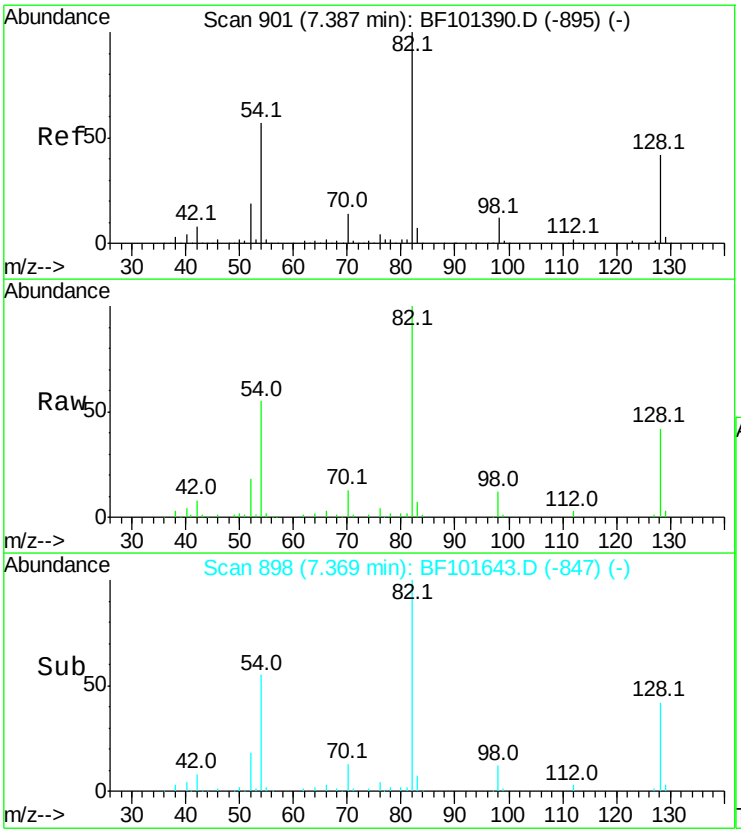
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 517092

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	8.4	6.6	9.8
68	6.4	5.0	7.4

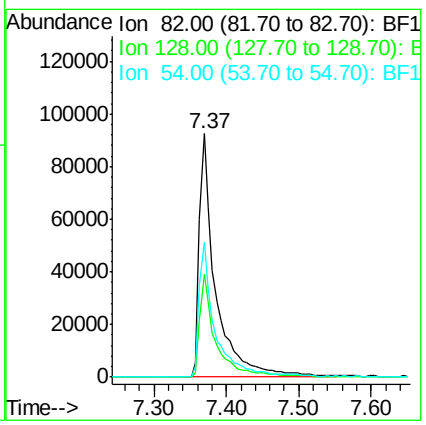


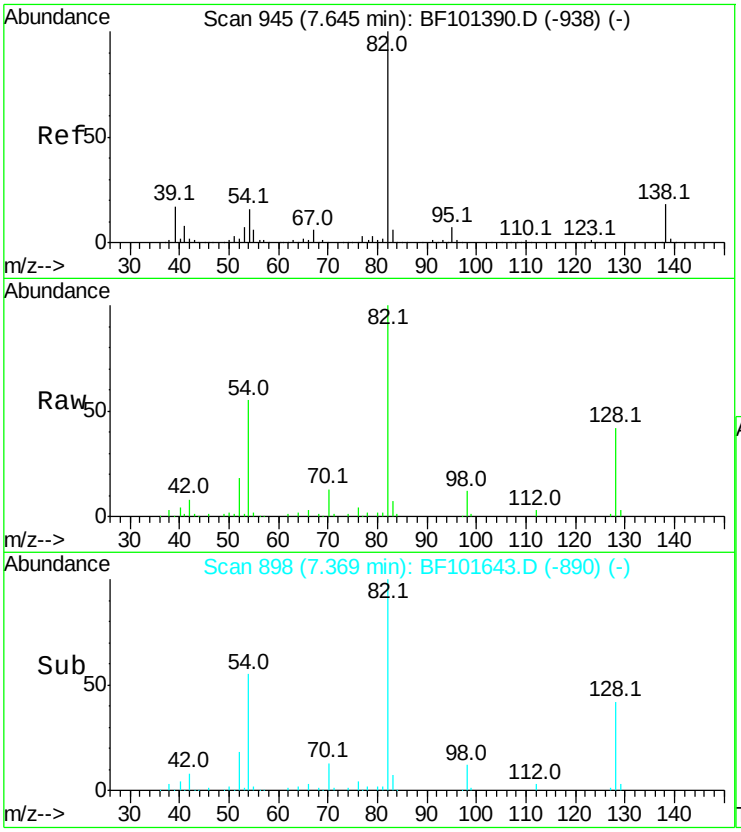


#23
Nitrobenzene-d5
Concen: 15.672 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion: 82 Resp: 145583

Ion	Ratio	Lower	Upper
82	100		
128	42.3	36.1	54.1
54	55.2	41.4	62.2



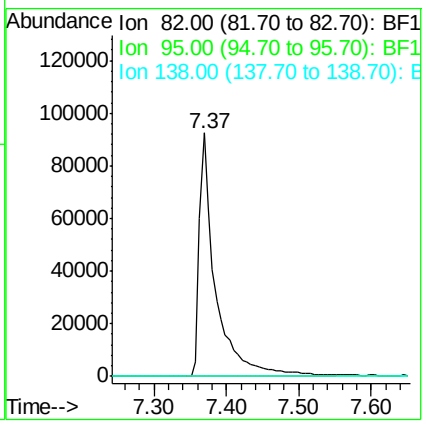


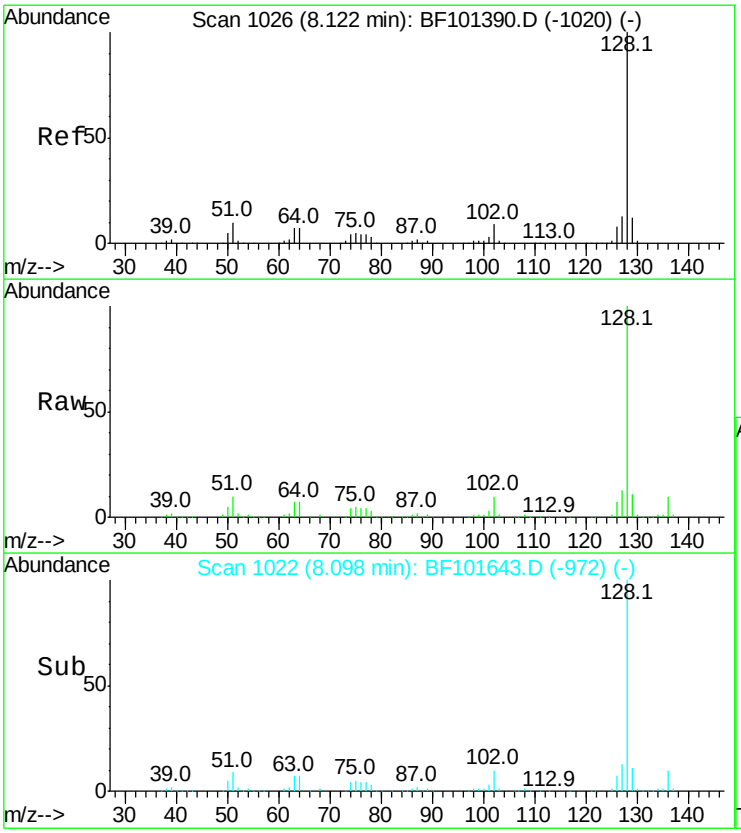
#25
Isophorone
Concen: 7.812 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.25 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 145583

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

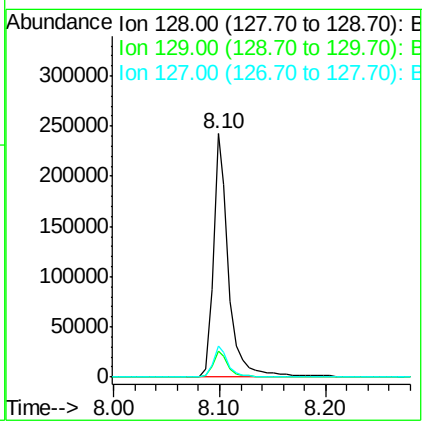


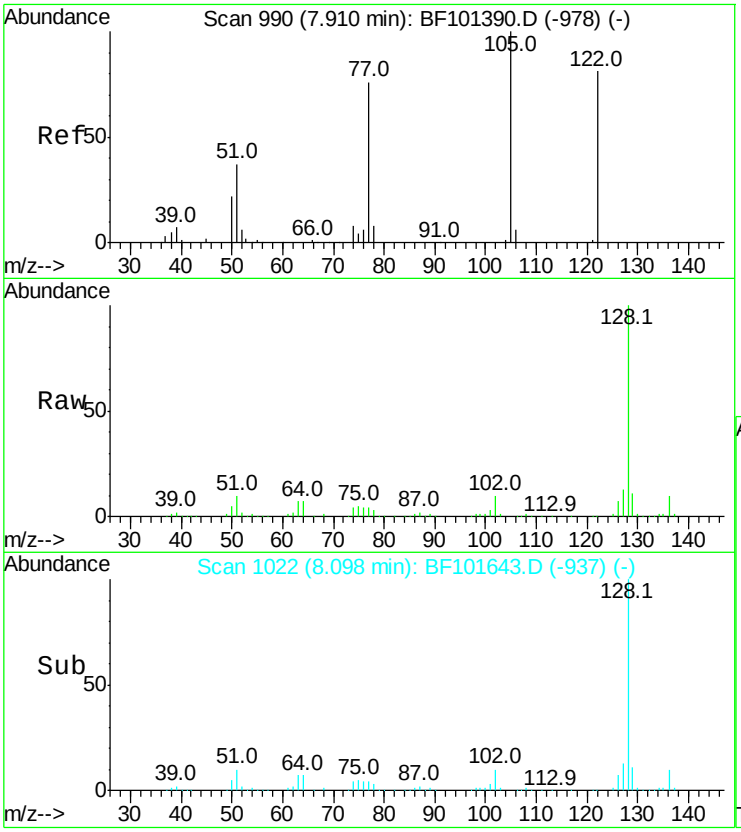


#31
Naphthalene
Concen: 9.516 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:128 Resp: 247735

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3



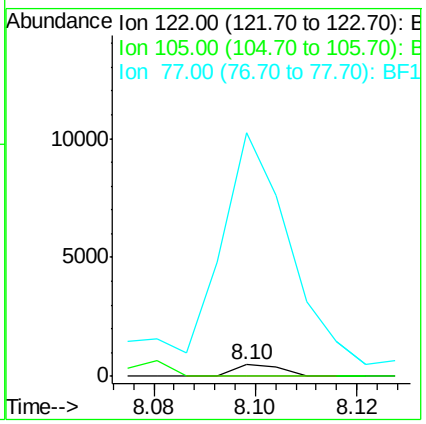


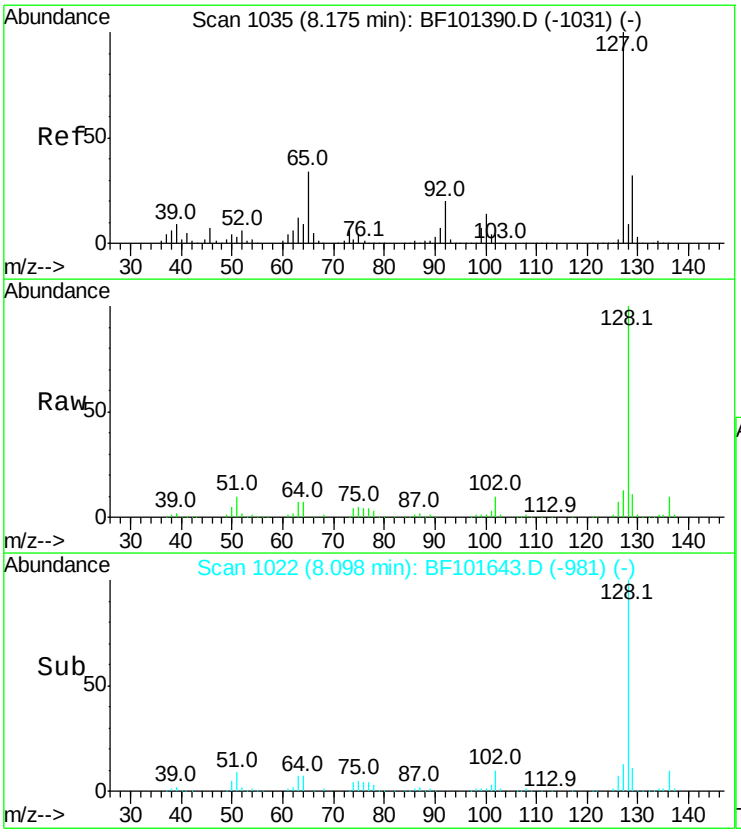
#32
Benzoic acid
Concen: 8.013 ng
RT: 8.10 min Scan# 1022
Delta R.T. 0.20 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 314

Ion	Ratio	Lower	Upper
122	100		
105	0.0	101.1	141.1#
77	2133.1	70.7	110.7#

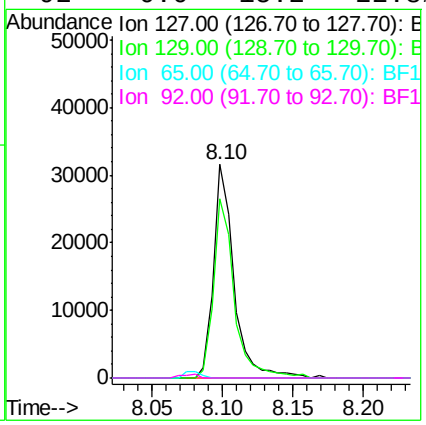


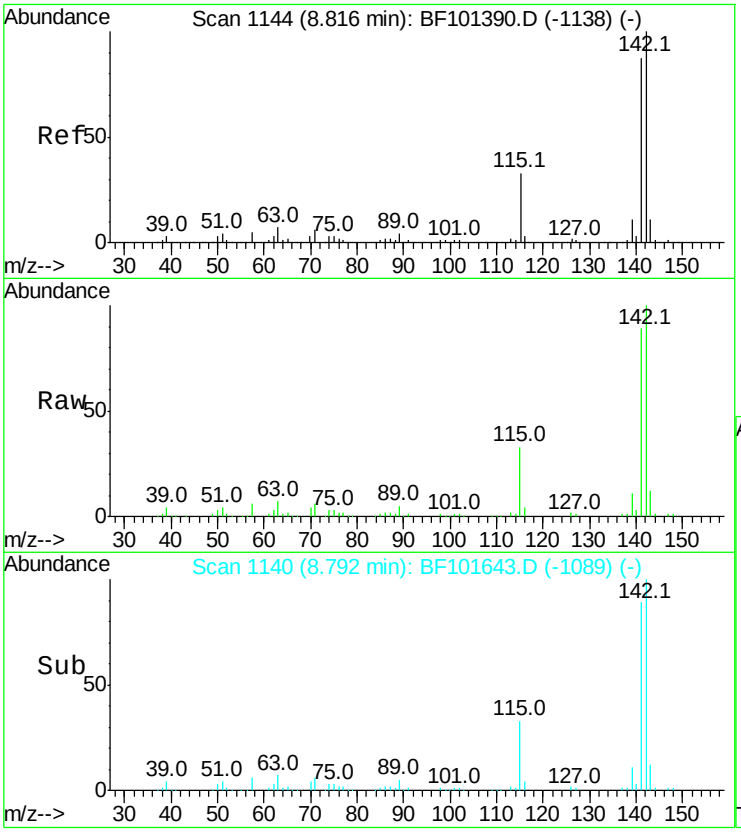


#33
4-Chloroaniline
Concen: 2.805 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:127 Resp: 31740

Ion	Ratio	Lower	Upper
127	100		
129	83.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

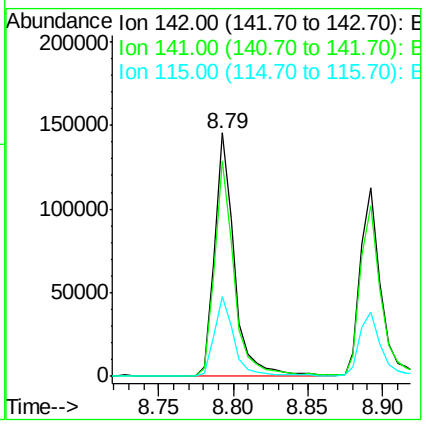




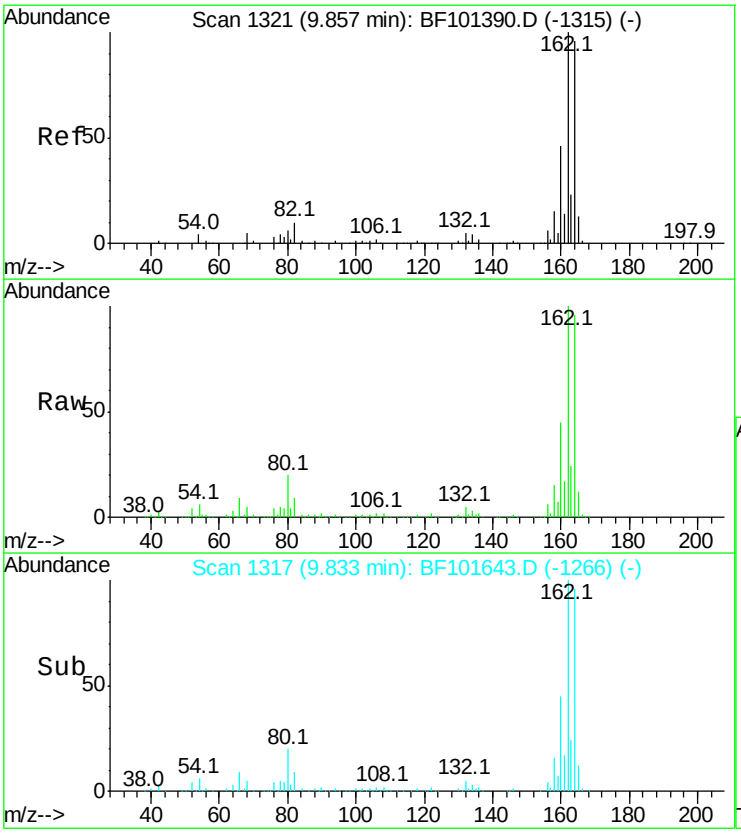
#37
2-Methylnaphthalene
Concen: 7.993 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:142 Resp: 135562

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.8	106.2
115	32.7	26.1	39.1



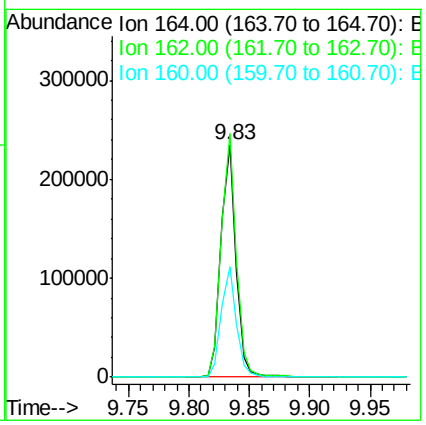
Instrument :
BNA_F
ClientSampleId :

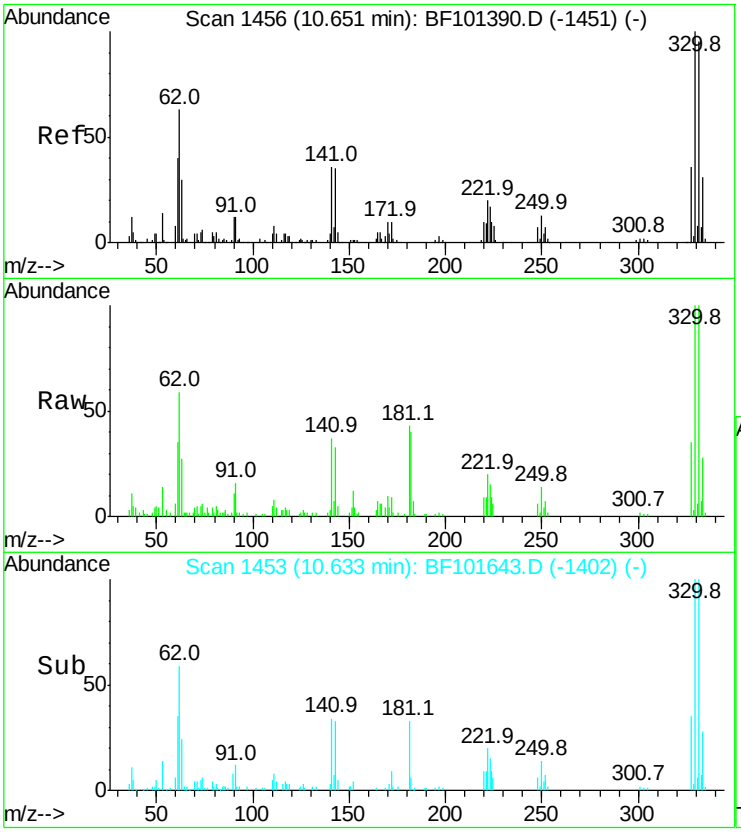


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:164 Resp: 202029

Ion	Ratio	Lower	Upper
164	100		
162	104.7	86.1	129.1
160	47.4	38.3	57.5



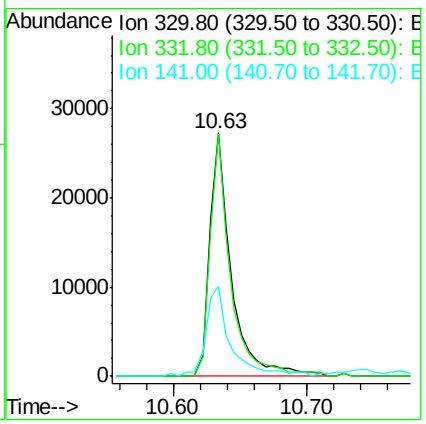


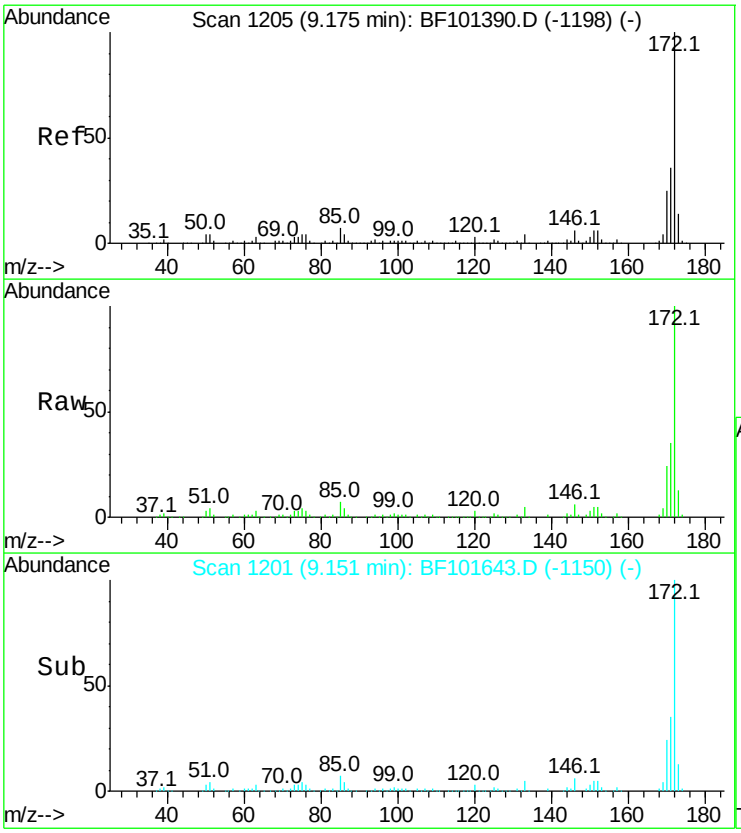
#41
2,4,6-Tribromophenol
Concen: 15.873 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 30900

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	42.7	29.9	44.9

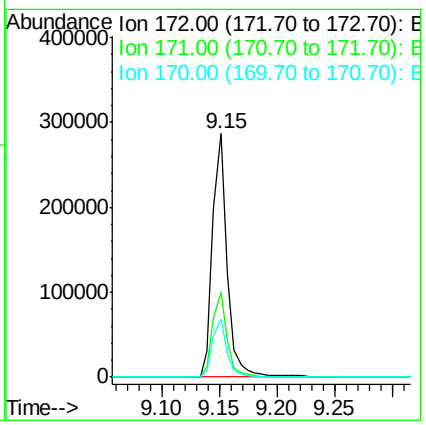


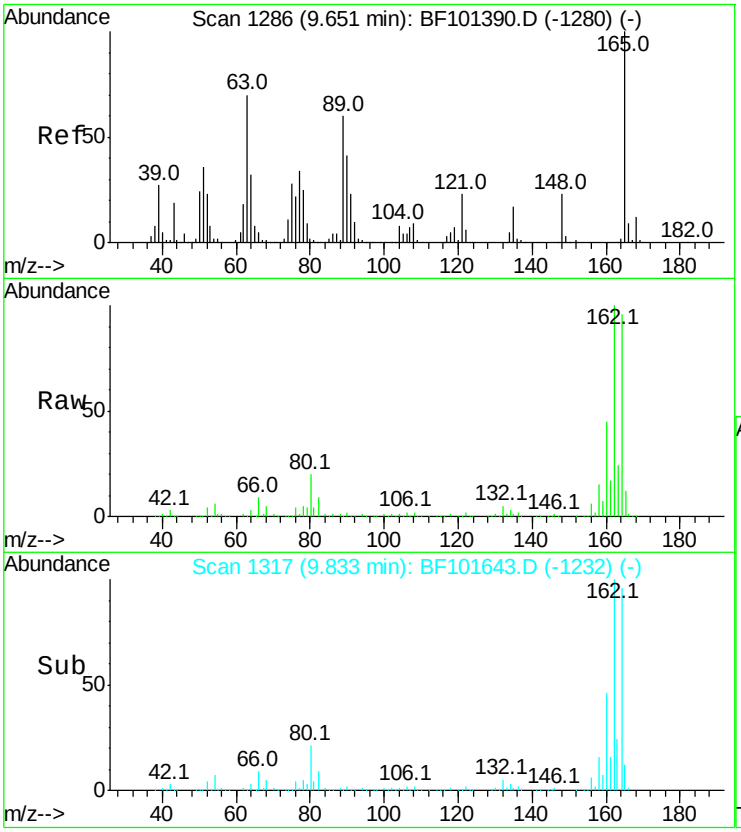


#44
2-Fluorobiphenyl
Concen: 19.377 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:172 Resp: 252361

Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	24.1	19.6	29.4



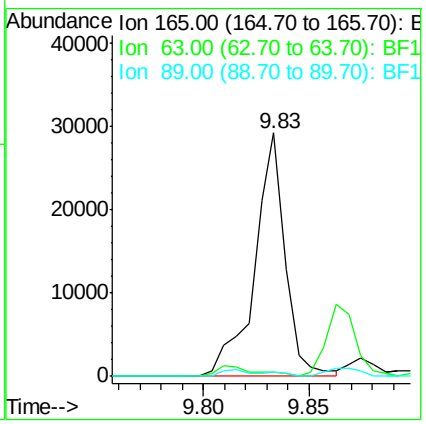


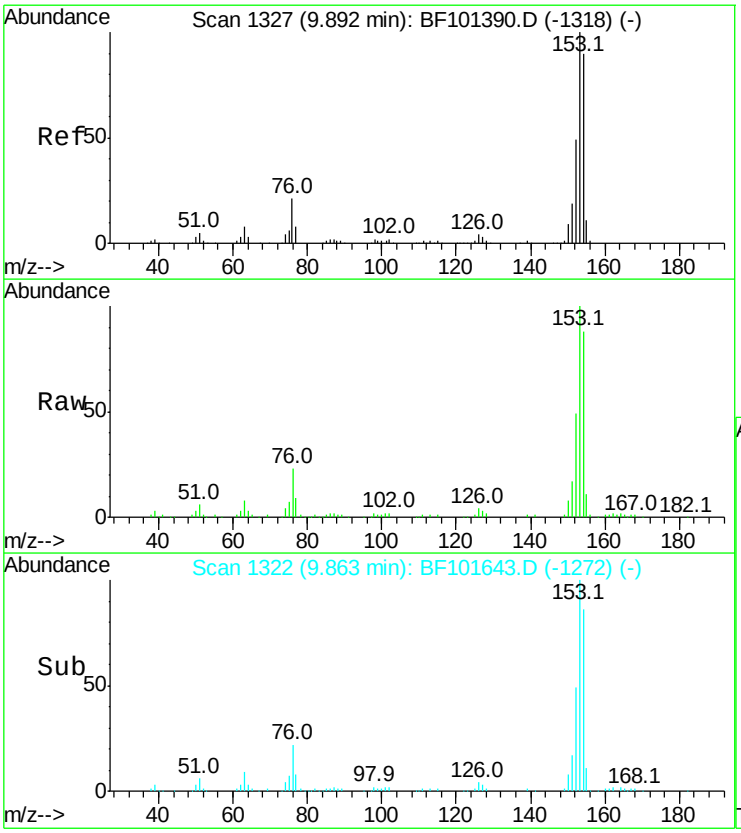
#50
2,6-Dinitrotoluene
Concen: 8.965 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.20 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 29610

Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.7	67.1#
89	1.9	44.0	66.0#

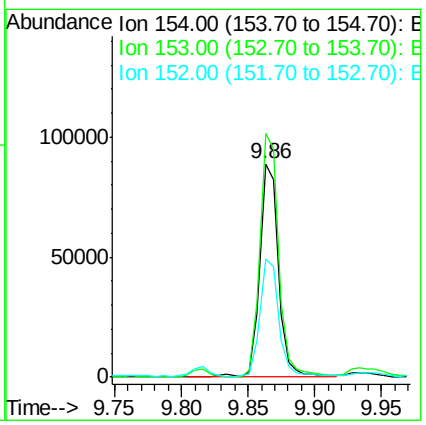


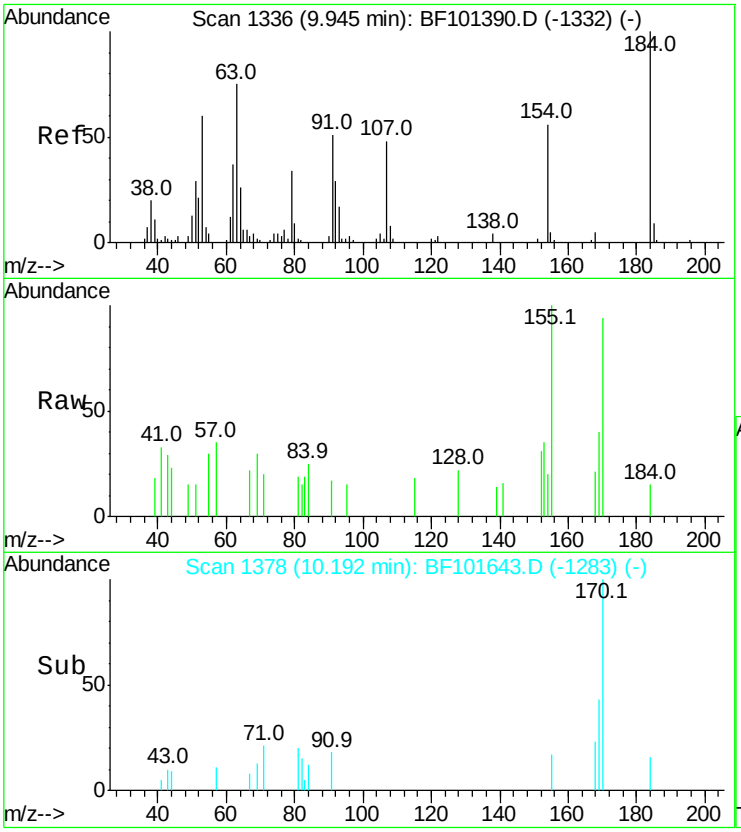


#51
Acenaphthene
Concen: 6.572 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:154 Resp: 85500

Ion	Ratio	Lower	Upper
154	100		
153	114.3	91.2	136.8
152	55.7	43.8	65.8



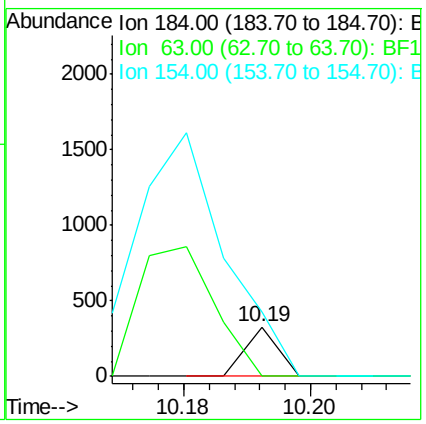


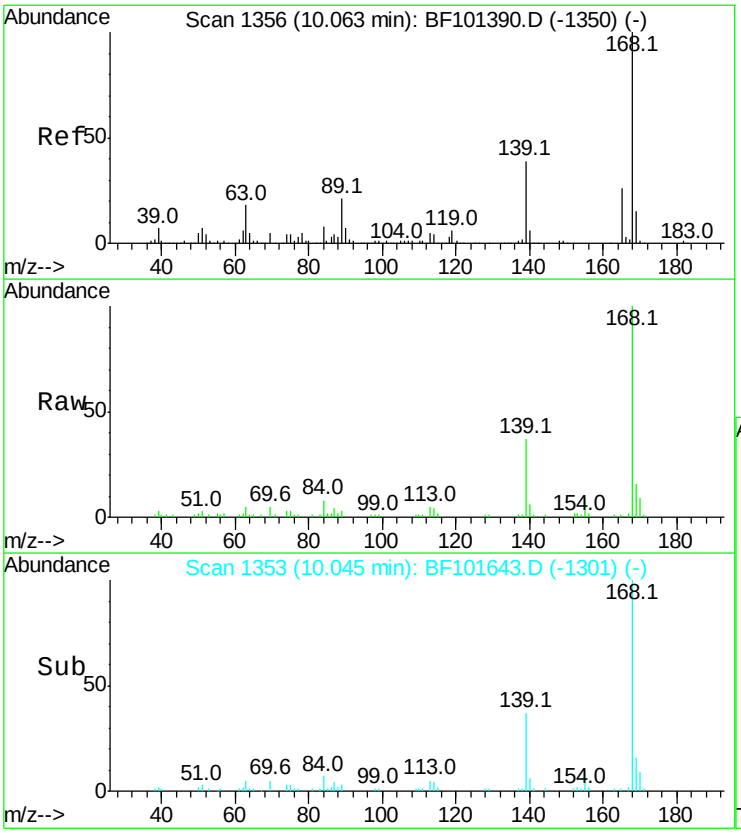
#53
2,4-Dinitrophenol
Concen: 10.407 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.26 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:184 Resp: 115

Ion	Ratio	Lower	Upper
184	100		
63	0.0	54.2	81.2#
154	132.0	184.0	276.0#

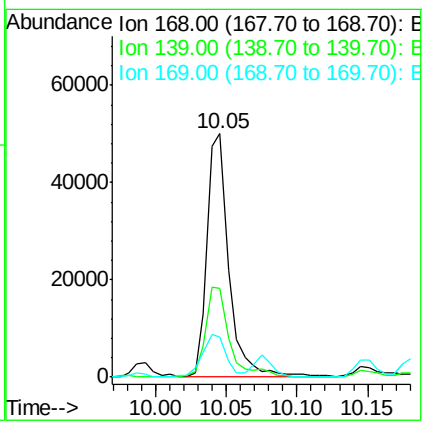


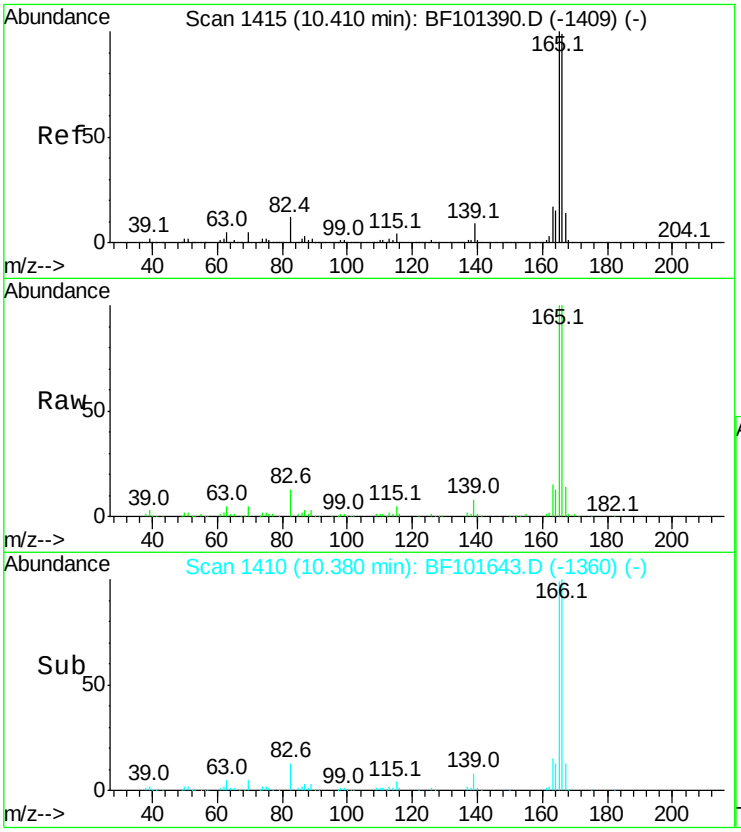


#54
Dibenzofuran
Concen: 3.286 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:168 Resp: 54331

Ion	Ratio	Lower	Upper
168	100		
139	36.7	30.1	45.1
169	16.3	10.9	16.3



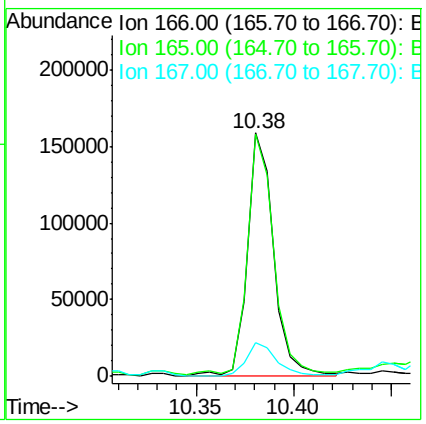


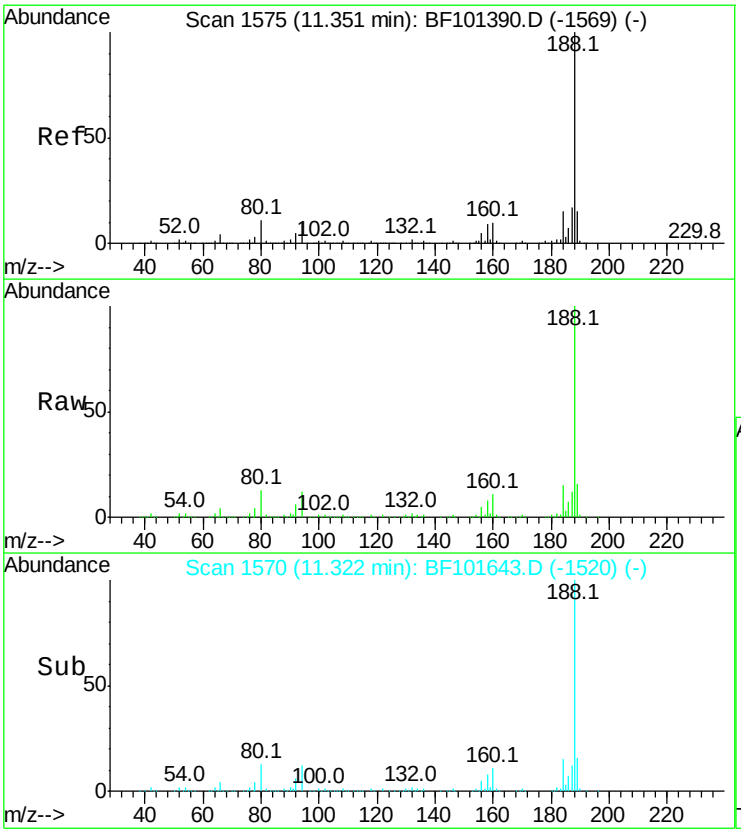
#57
Fluorene
Concen: 10.411 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 145604

Ion	Ratio	Lower	Upper
166	100		
165	99.6	79.8	119.8
167	13.8	10.6	16.0

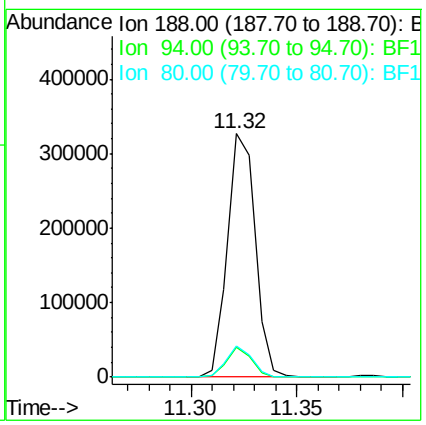


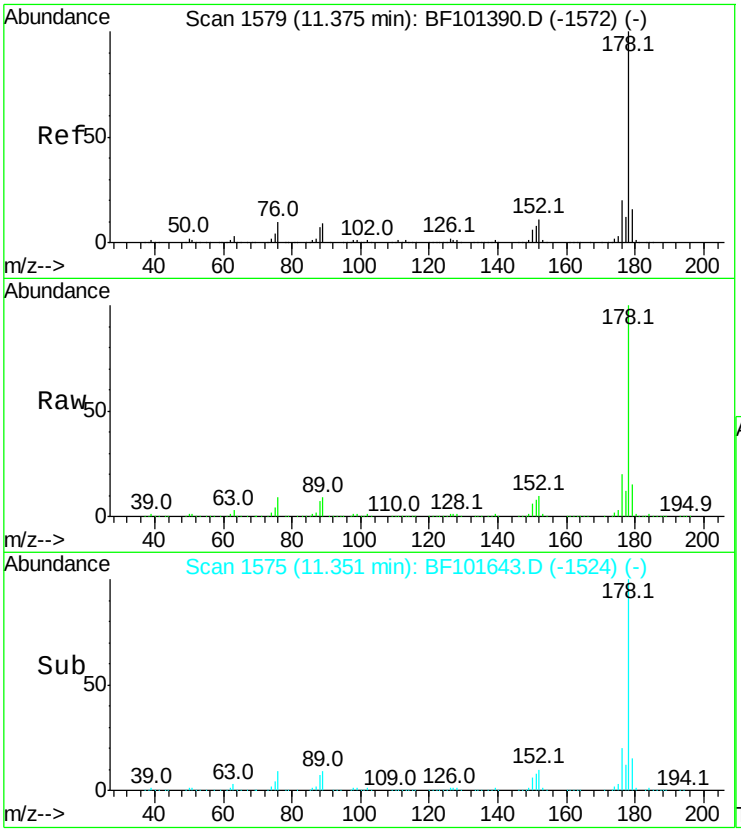


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:188 Resp: 297340

Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	12.6	9.2	13.8



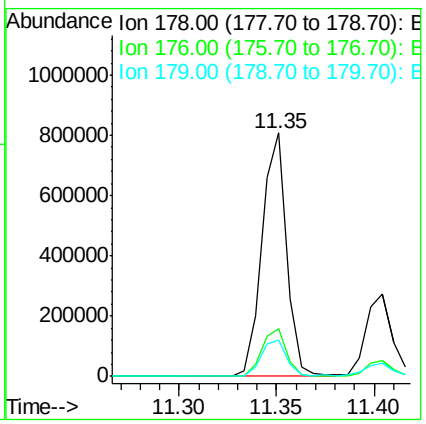


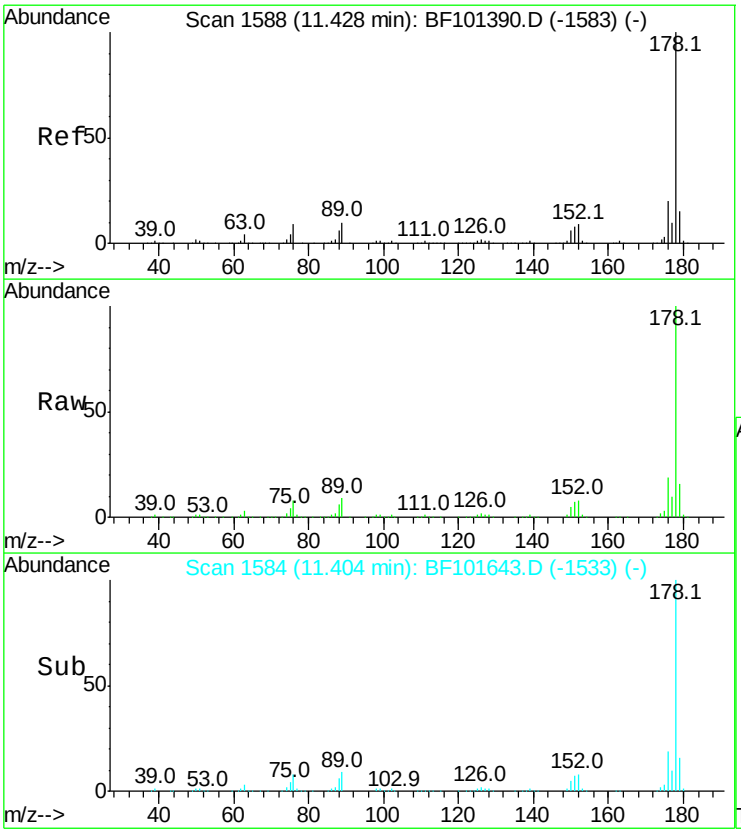
#70
Phenanthrene
Concen: 42.654 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 705300

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.9	13.0	19.6

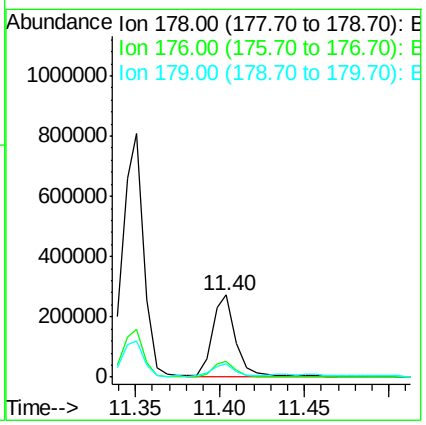


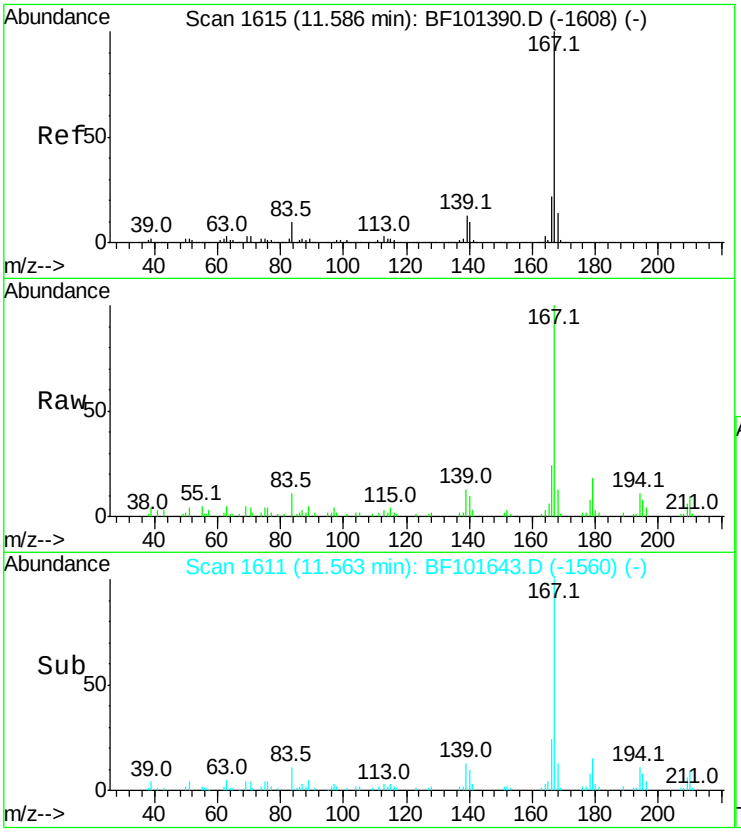


#71
Anthracene
Concen: 15.439 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:178 Resp: 260771

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.7	12.6	19.0



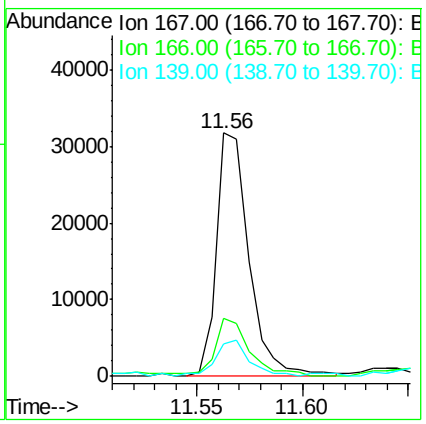


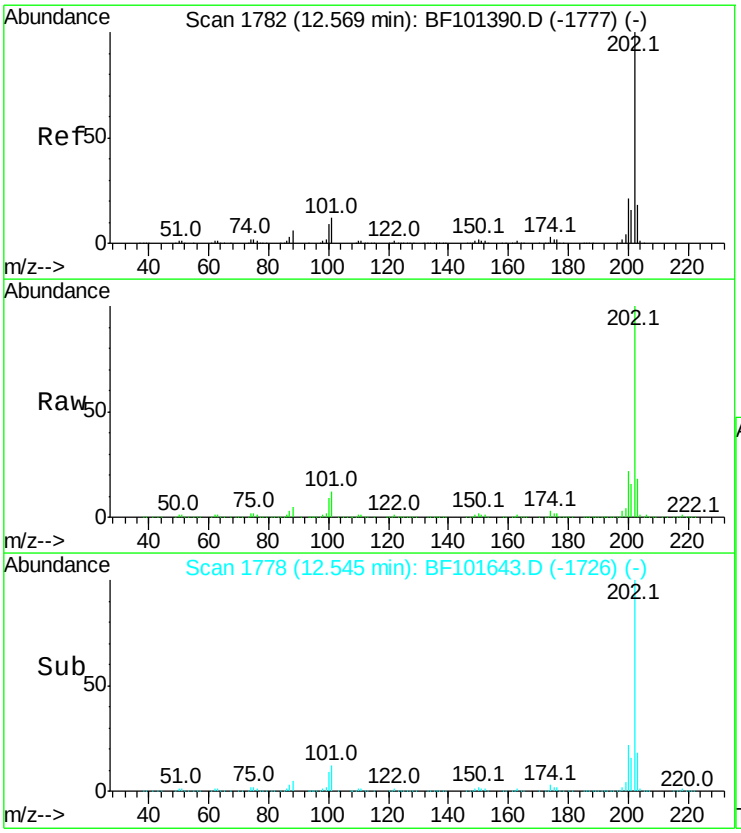
#72
Carbazole
Concen: 2.145 ng
RT: 11.56 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 33924

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.6	26.4
139	13.3	10.9	16.3

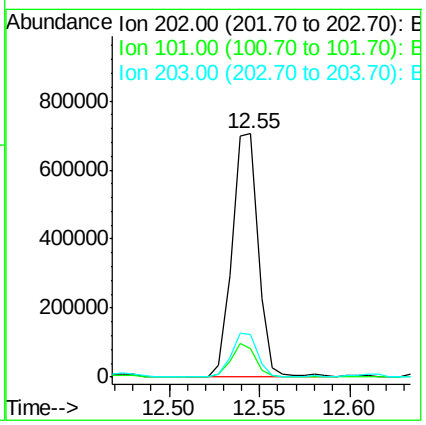


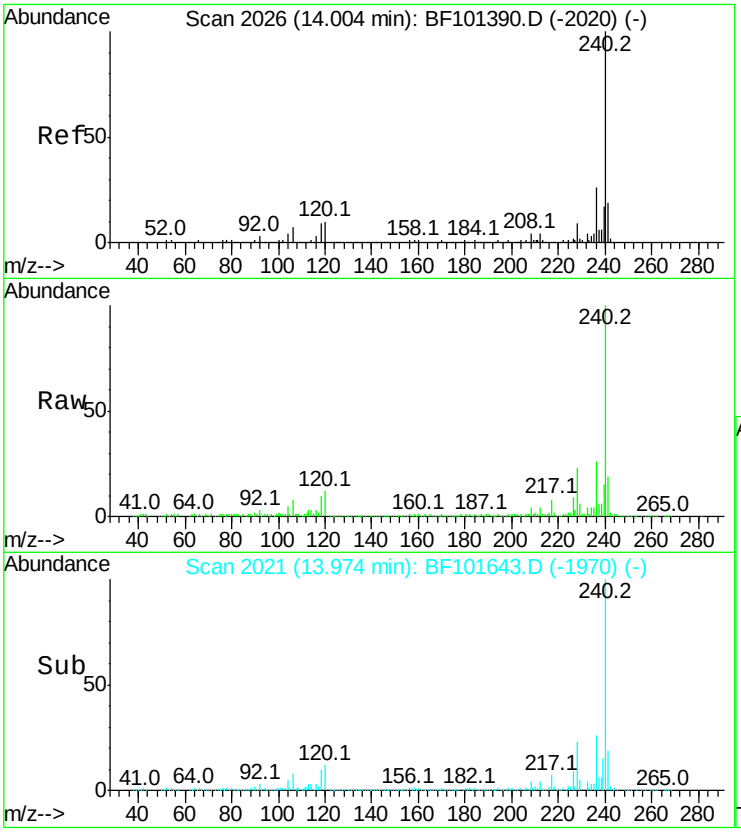


#74
Fluoranthene
Concen: 41.008 ng
RT: 12.55 min Scan# 1778
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:202 Resp: 711748

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	34.1
203	17.7	0.0	38.1



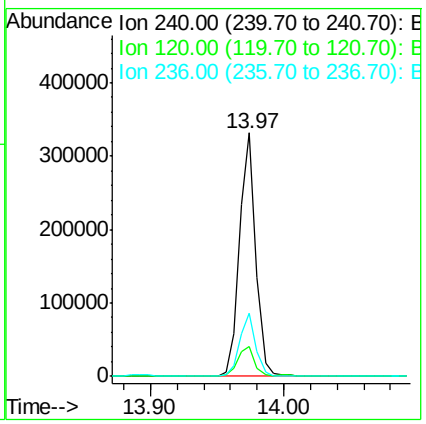


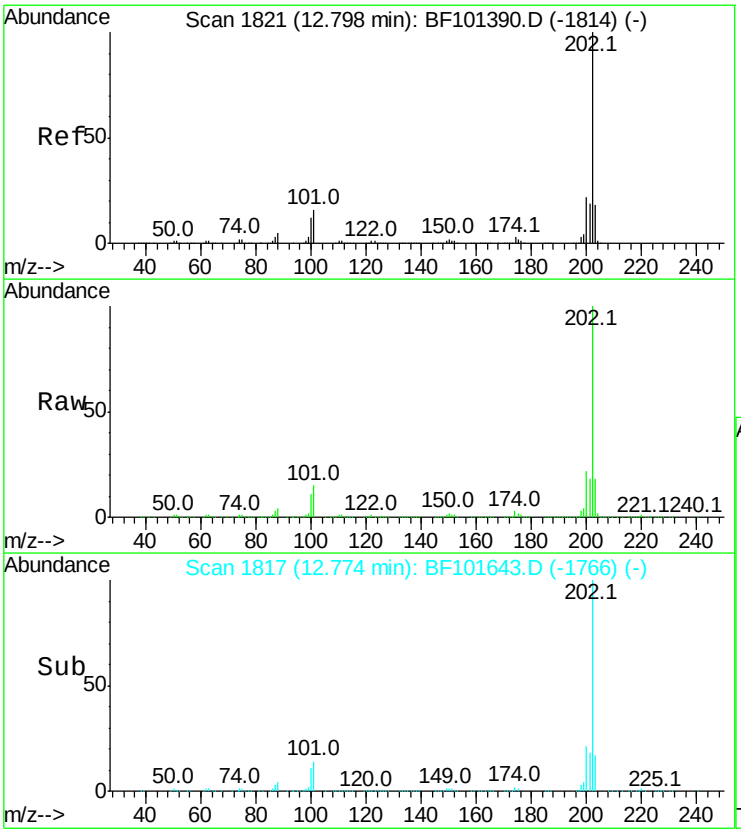
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 280196

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	25.9	20.7	31.1

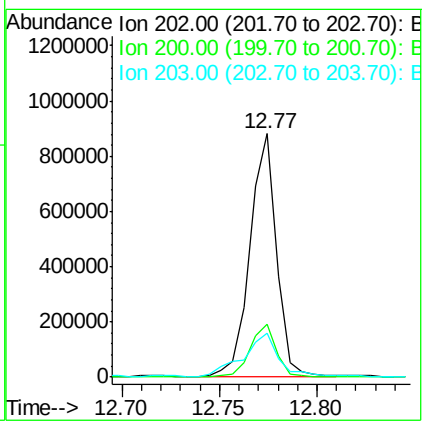


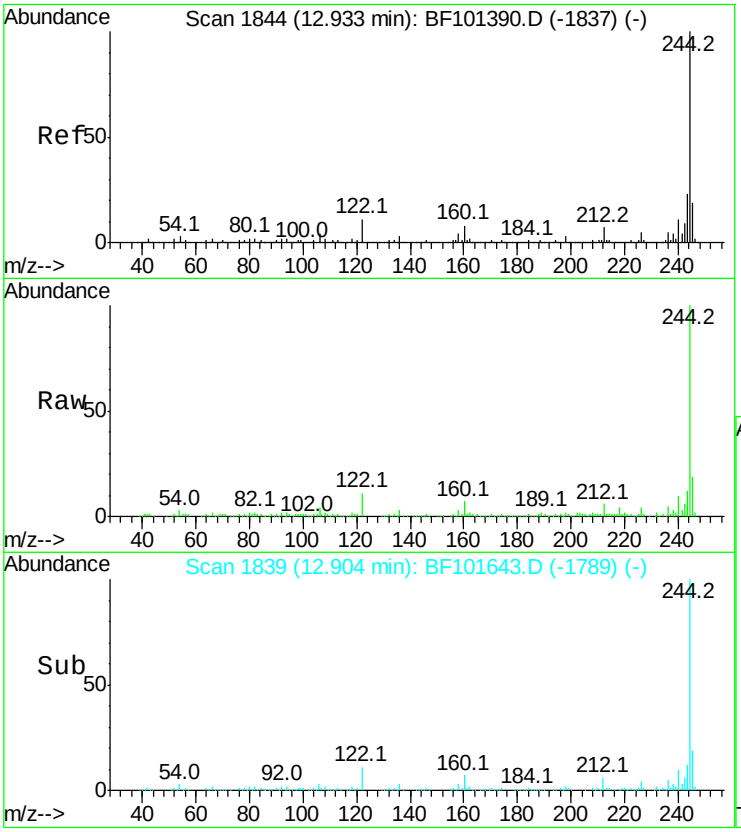


#77
Pyrene
Concen: 39.519 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:202 Resp: 831040

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.0	14.3	21.5



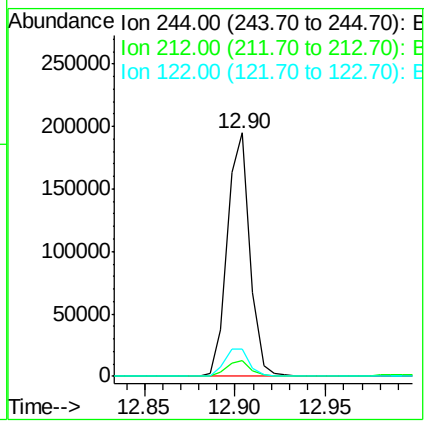


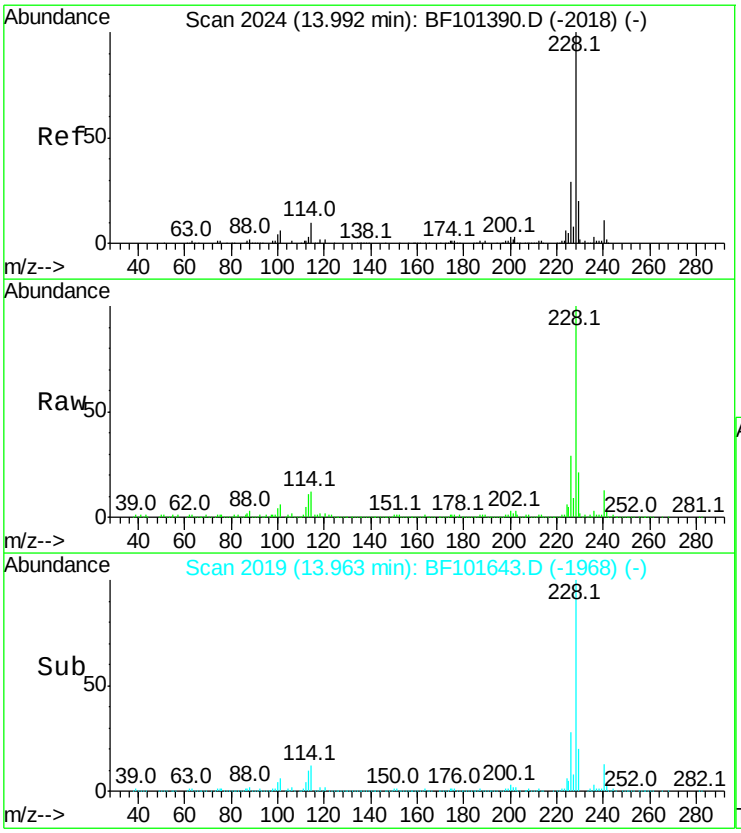
#78
Terphenyl-d14
Concen: 14.526 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 168835

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	11.3	11.0	16.4

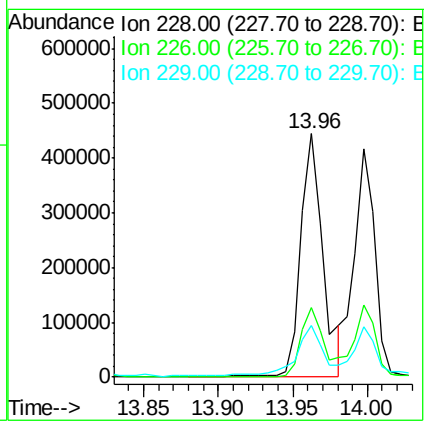


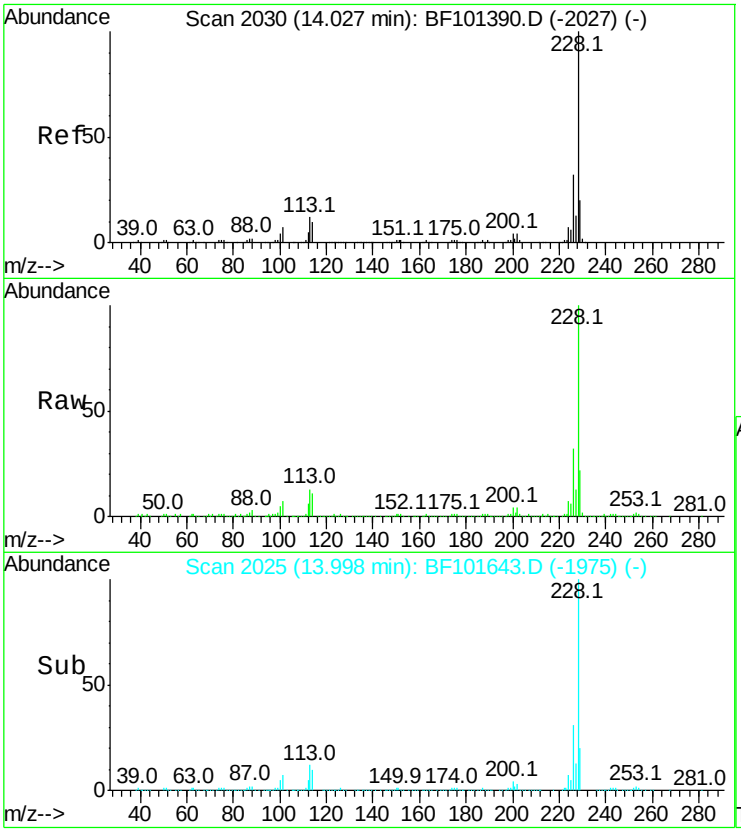


#80
Benzo(a)anthracene
Concen: 24.817 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:228 Resp: 459162

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.0	15.8	23.6



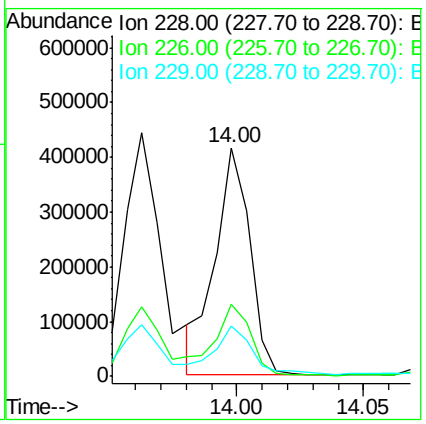


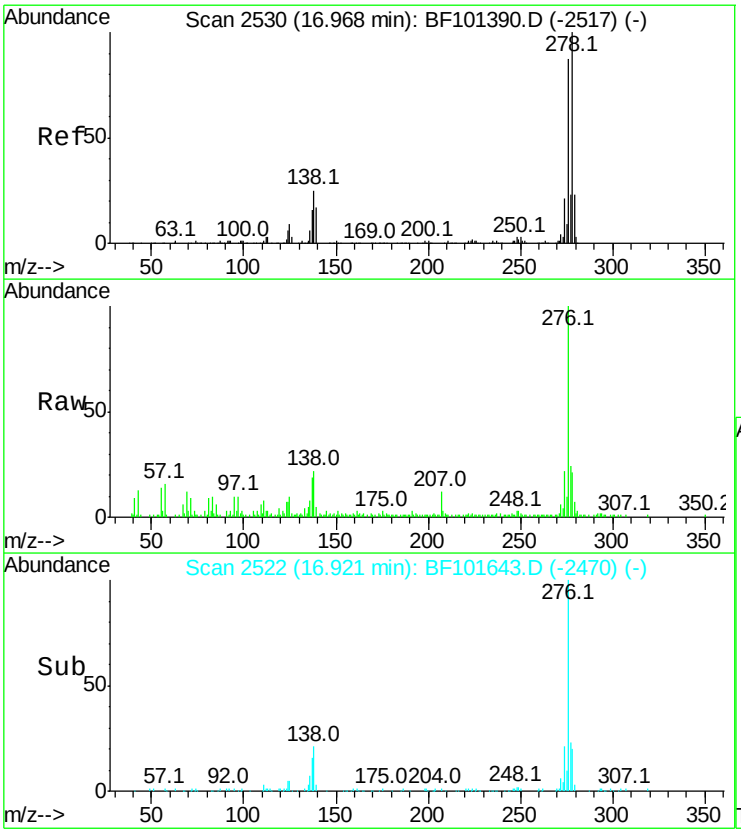
#82
Chrysene
Concen: 22.632 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 395363

Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	21.9	16.2	24.4

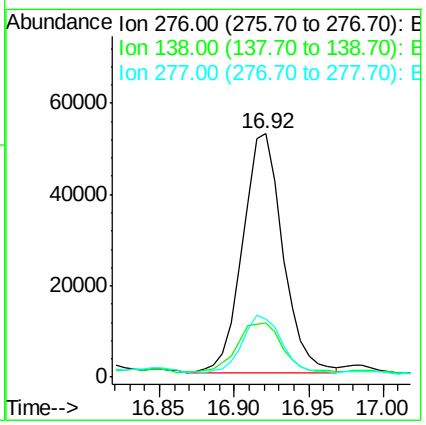


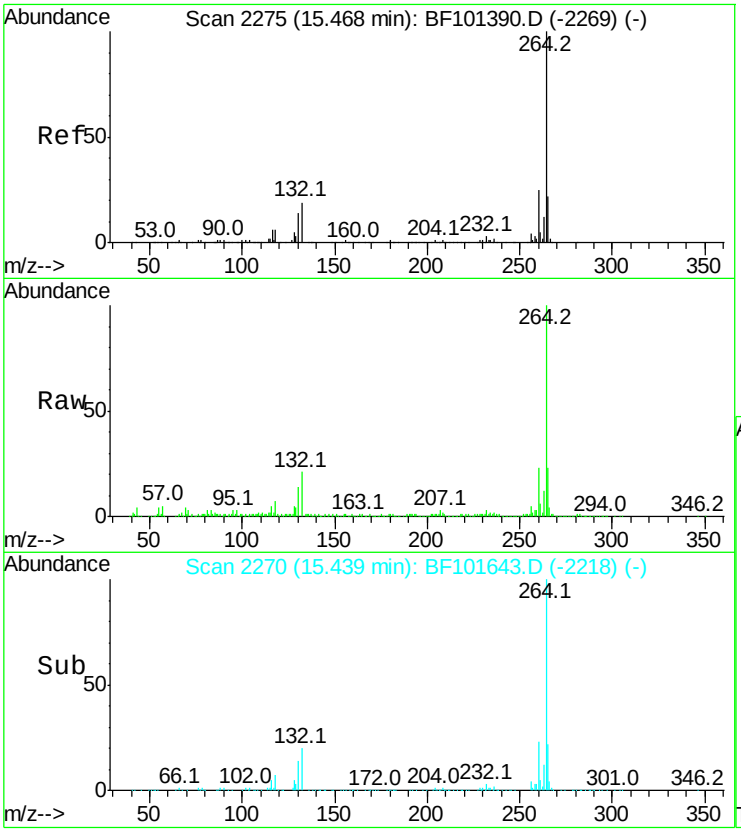


#85
Indeno(1,2,3-cd)pyrene
Concen: 6.279 ng
RT: 16.92 min Scan# 2522
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:276 Resp: 97672

Ion	Ratio	Lower	Upper
276	100		
138	24.2	25.0	37.6#
277	23.4	20.1	30.1



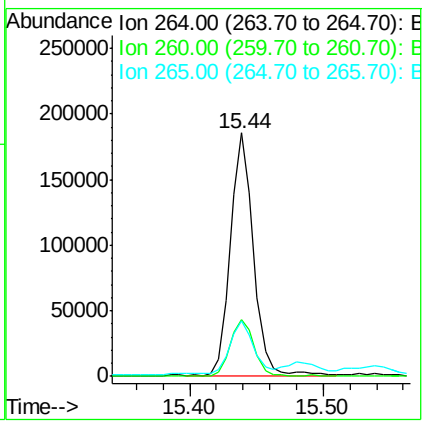


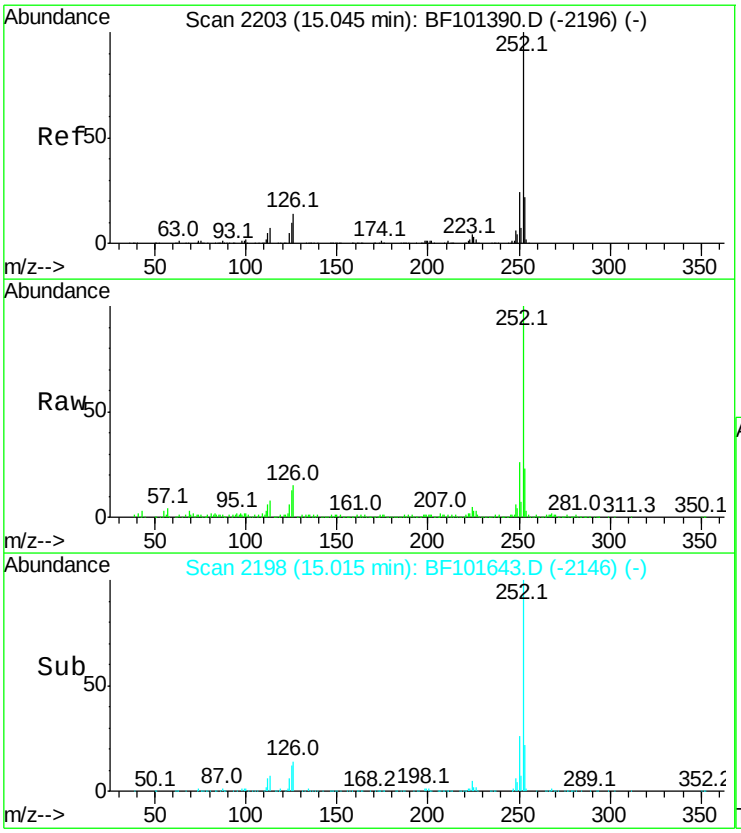
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 221725

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.9	17.5	26.3

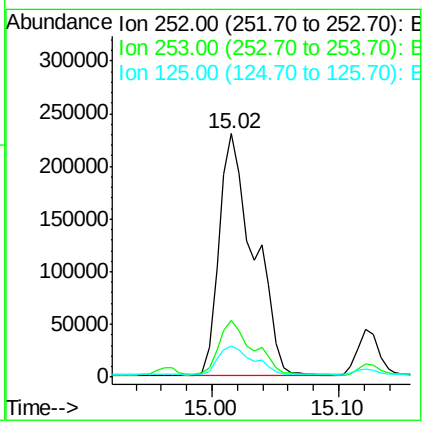


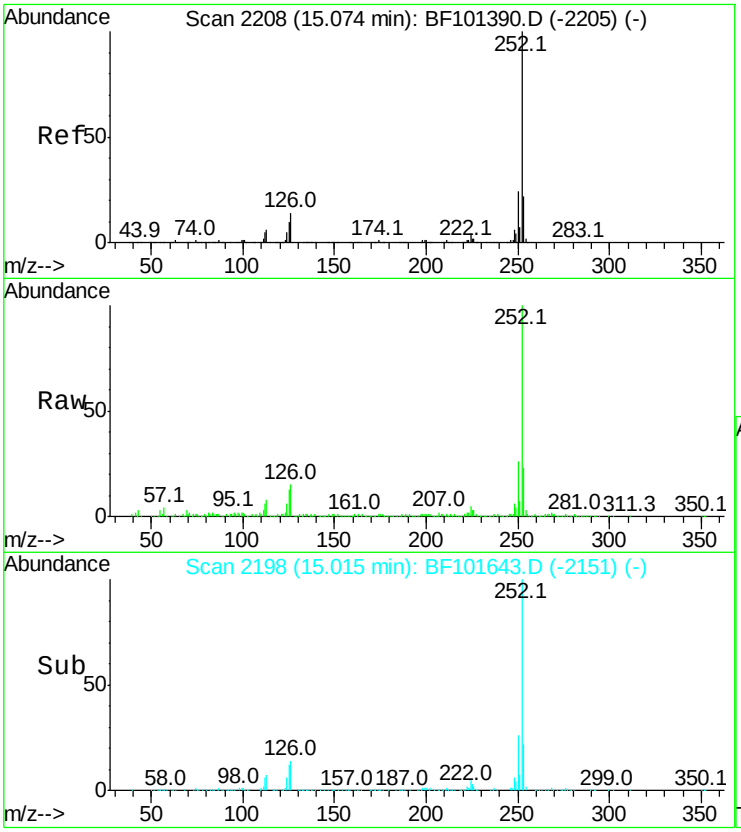


#87
Benzo(b)fluoranthene
Concen: 32.280 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:252 Resp: 436248

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	13.0	9.0	13.6



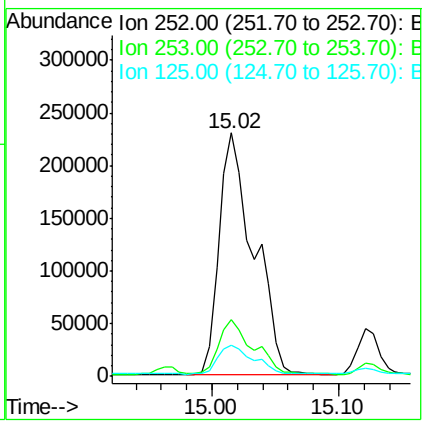


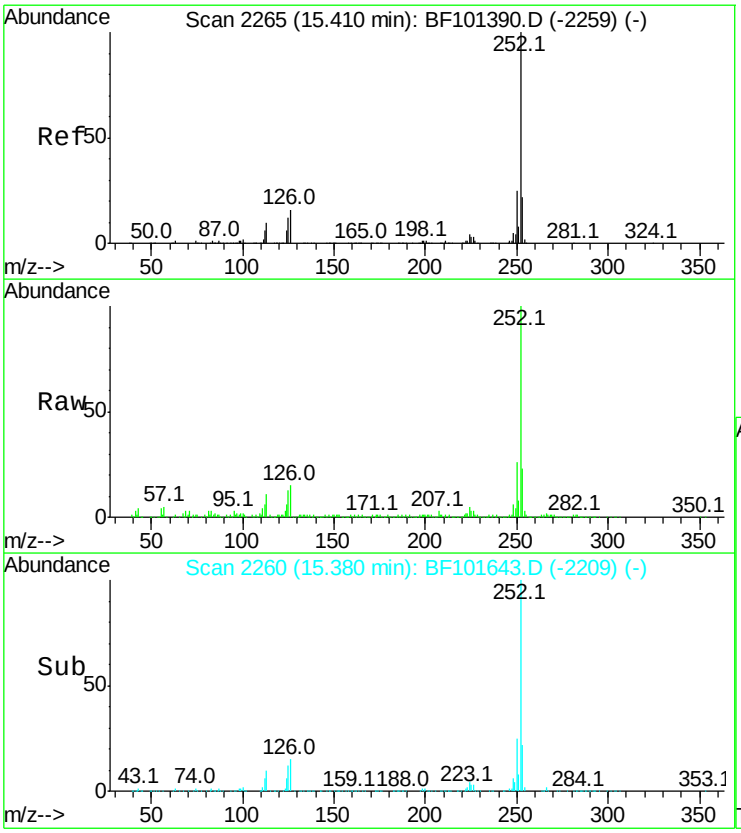
#88
Benzo(k)fluoranthene
Concen: 33.175 ng
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 435923

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.0	10.2	15.2

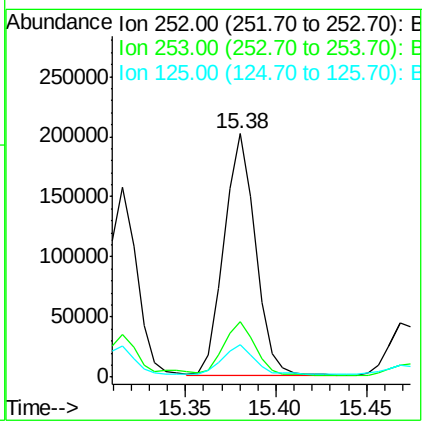


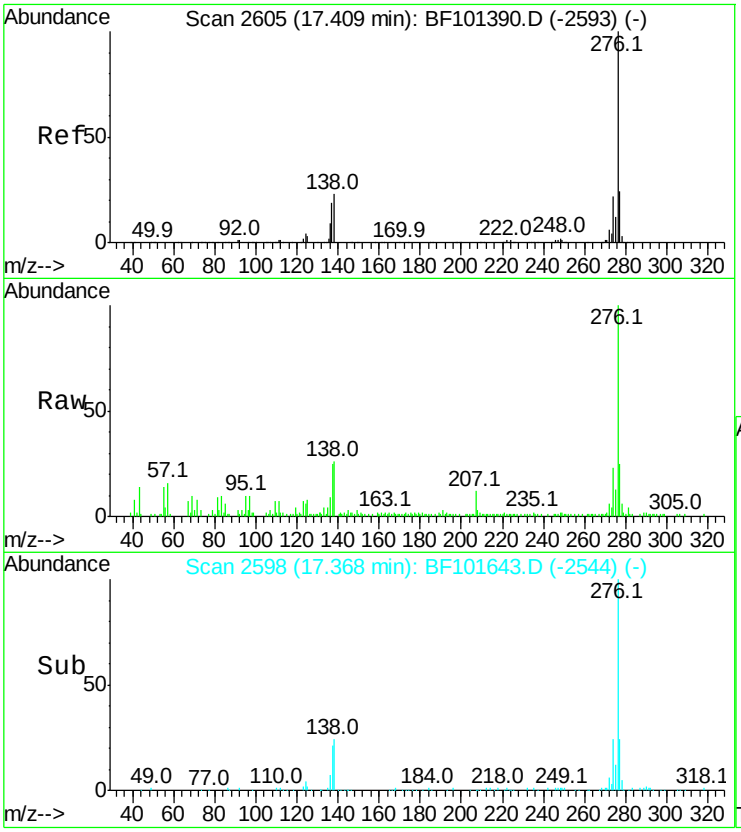


#89
Benzo(a)pyrene
Concen: 19.528 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Tgt Ion:252 Resp: 243293

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	13.2	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 9.981 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BF101643.D
Acq: 22 Dec 2017 8:55

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 105714

Ion	Ratio	Lower	Upper
276	100		
277	25.0	17.9	26.9
138	25.6	21.8	32.8