Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
Data File : BF104395.D
Acq On : 10 Apr 2018 2:18
Operator : JU/SJ
Sample : J2184-05DL 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-3-1(1-3)DL

Quant Time: Apr 13 05:27:38 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 12 17:07:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	118129	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	434684	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	169588	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	277479	20.00	ng	0.00
75) Chrysene-d12	13.98	240	276713	20.00	ng	-0.01
86) Perylene-d12	15.44	264	217808	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	51828	6.71	ng	-0.02
7) Phenol-d6	6.42	99	61576	6.49	ng	-0.03
23) Nitrobenzene-d5	7.36	82	29948	4.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	9167	5.21	ng	-0.02
44) 2-Fluorobiphenyl	9.16	172	58954	5.49	ng	-0.01
78) Terphenyl-d14	12.92	244	51158	4.21	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.11	128	283437	13.095	ng	99
37) 2-Methylnaphthalene	8.80	142	59445	4.246	ng	99
48) Acenaphthylene	9.70	152	49727	2.817	ng	99
51) Acenaphthene	9.87	154	87338	8.108	ng	99
54) Dibenzofuran	10.05	168	105661	7.038	ng	99
57) Fluorene	10.39	166	137249	12.560	ng	99
70) Phenanthrene	11.36	178	922459	59.696	ng	99
71) Anthracene	11.41	178	263995	16.807	ng	99
72) Carbazole	11.56	167	135009	8.796	ng	98
74) Fluoranthene	12.55	202	973425	60.293	ng	98
77) Pyrene	12.78	202	811492	39.564	ng	100
80) Benzo(a)anthracene	13.97	228	440568	26.651	ng	98
82) Chrysene	14.00	228	400067m	23.561	ng	
87) Benzo(b)fluoranthene	15.02	252	411168m	29.889	ng	
88) Benzo(k)fluoranthene	15.04	252	136560m	10.515	ng	
89) Benzo(a)pyrene	15.37	252	269196	21.871	ng	97
90) Dibenzo(a,h)anthracene	16.89	278	36745	3.635	ng	95
91) Benzo(g,h,i)perylene	17.31	276	118724	12.122	ng	96

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

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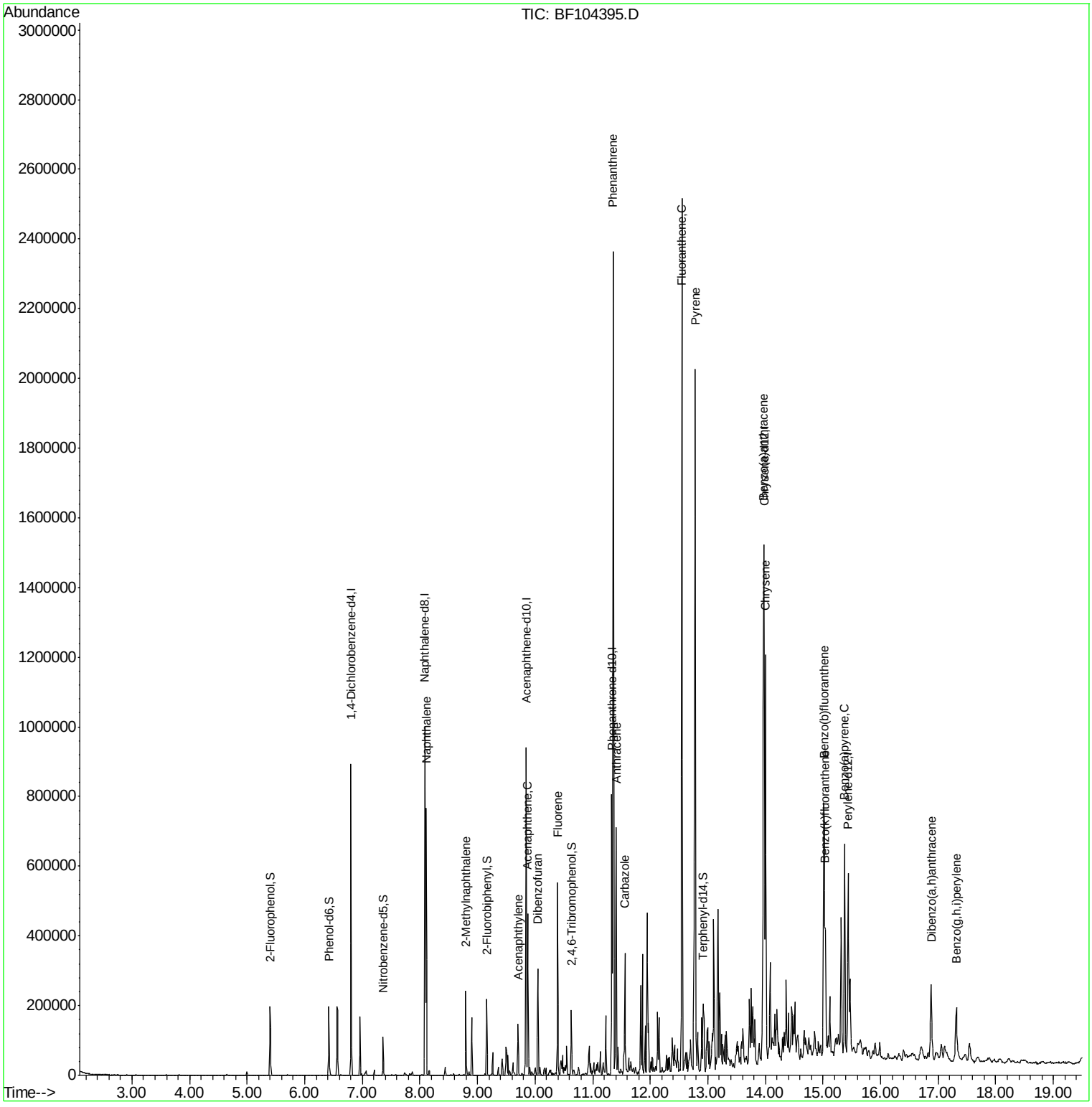
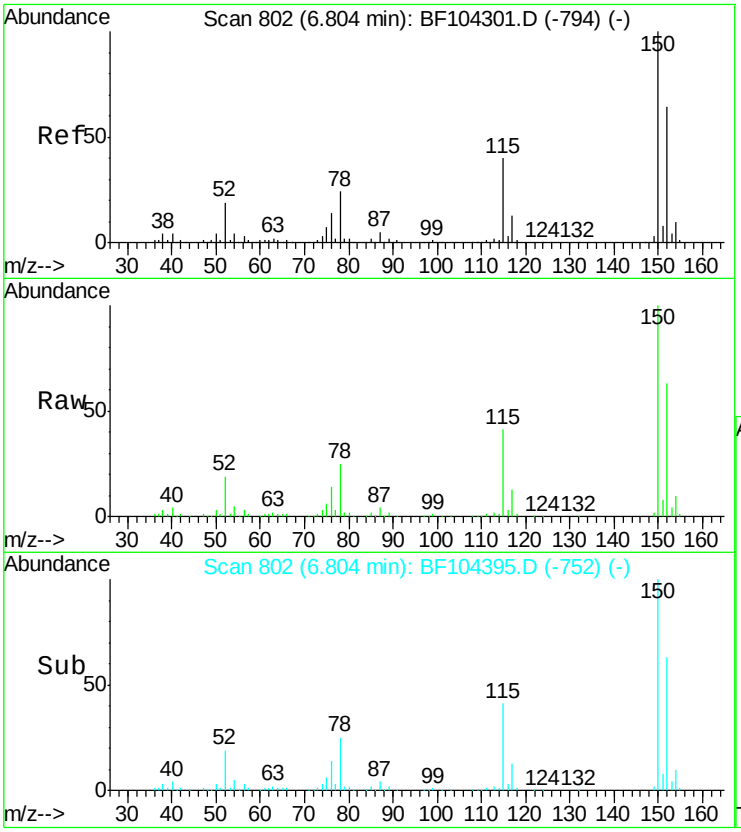
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Quant Time: Apr 13 05:27:38 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 12 17:07:03 2018
Response via : Initial Calibration



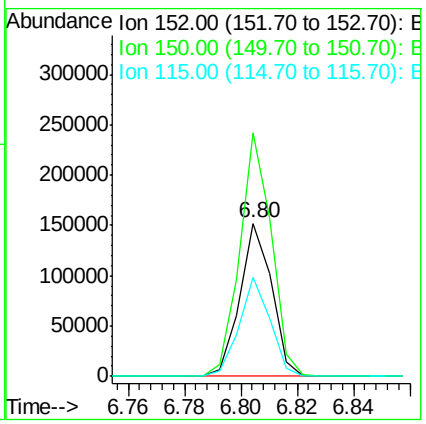


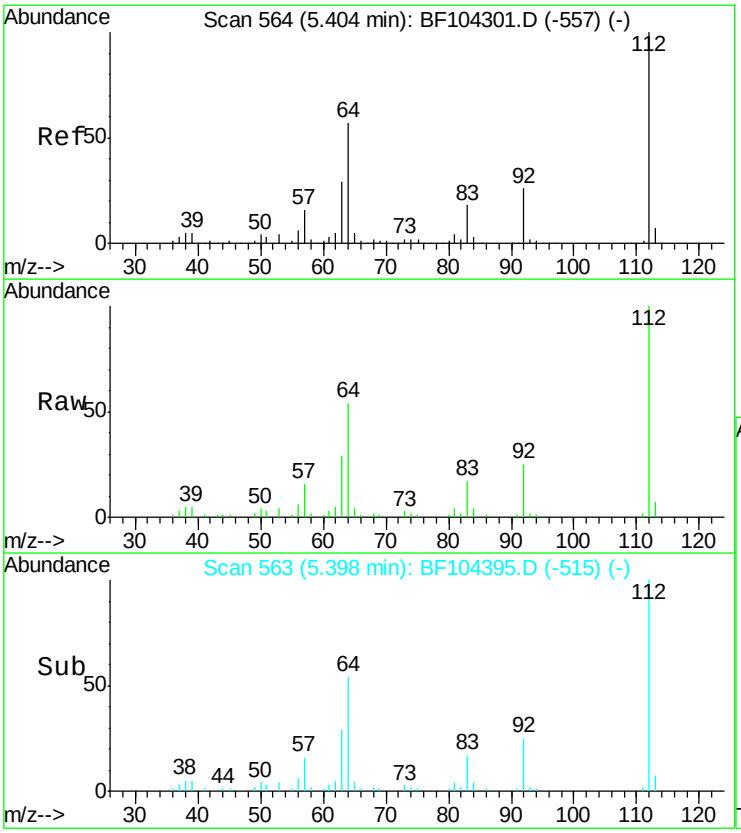
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:152 Resp: 118129

Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	64.7	50.1	75.1

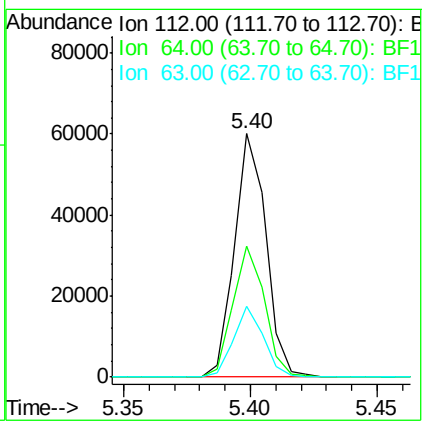


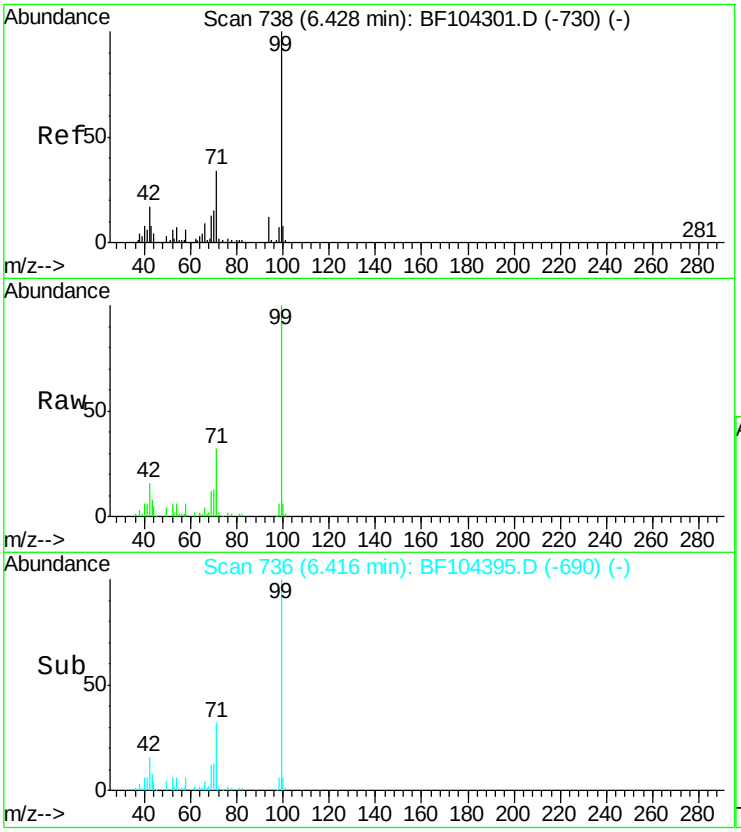


#5
2-Fluorophenol
Concen: 6.709 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:112 Resp: 51828

Ion	Ratio	Lower	Upper
112	100		
64	53.6	47.9	71.9
63	29.3	23.7	35.5



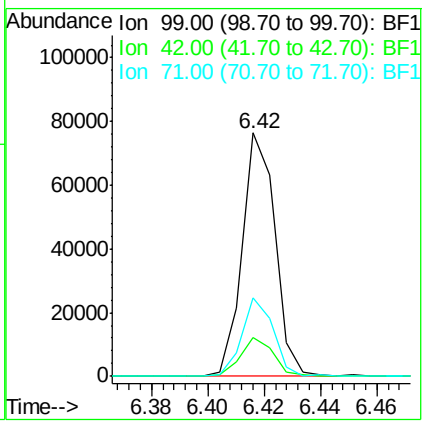


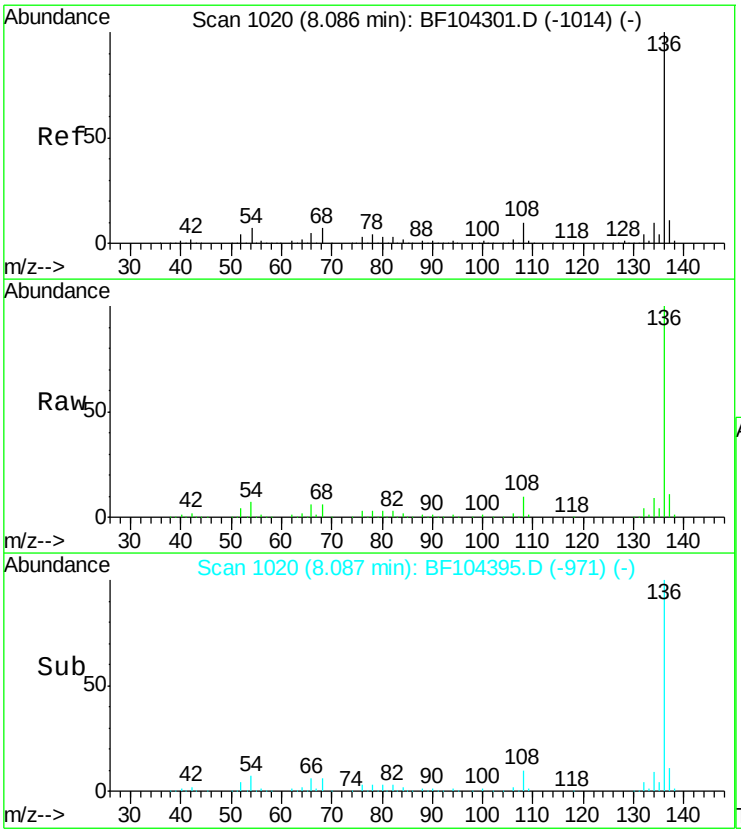
#7
Phenol-d6
Concen: 6.487 ng
RT: 6.42 min Scan# 736
Delta R.T. -0.03 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion: 99 Resp: 61576

Ion	Ratio	Lower	Upper
99	100		
42	15.7	14.5	21.7
71	32.4	25.4	38.0

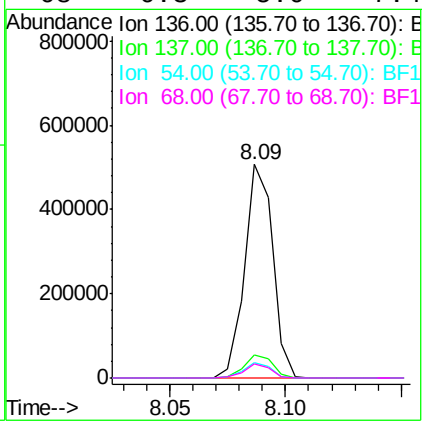


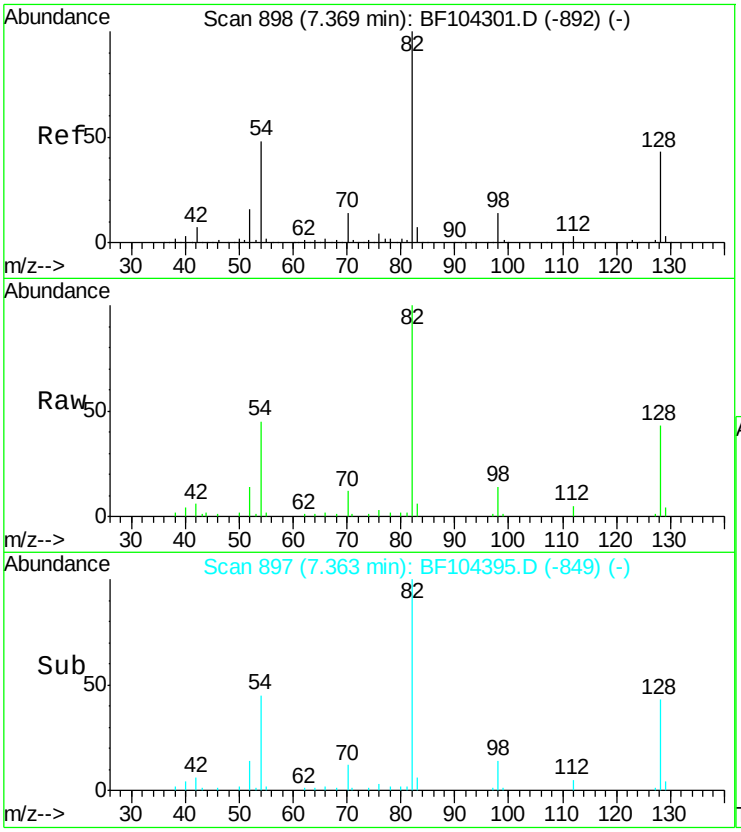


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:136 Resp: 434684

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.3	6.6	9.8
68	6.3	5.0	7.4



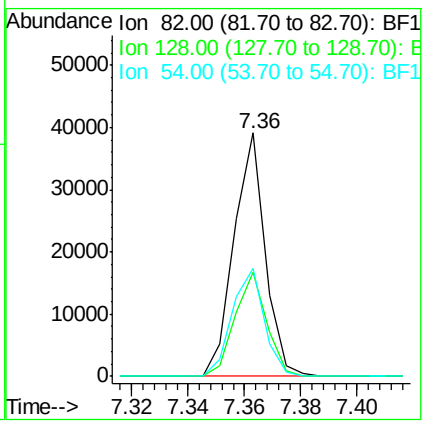


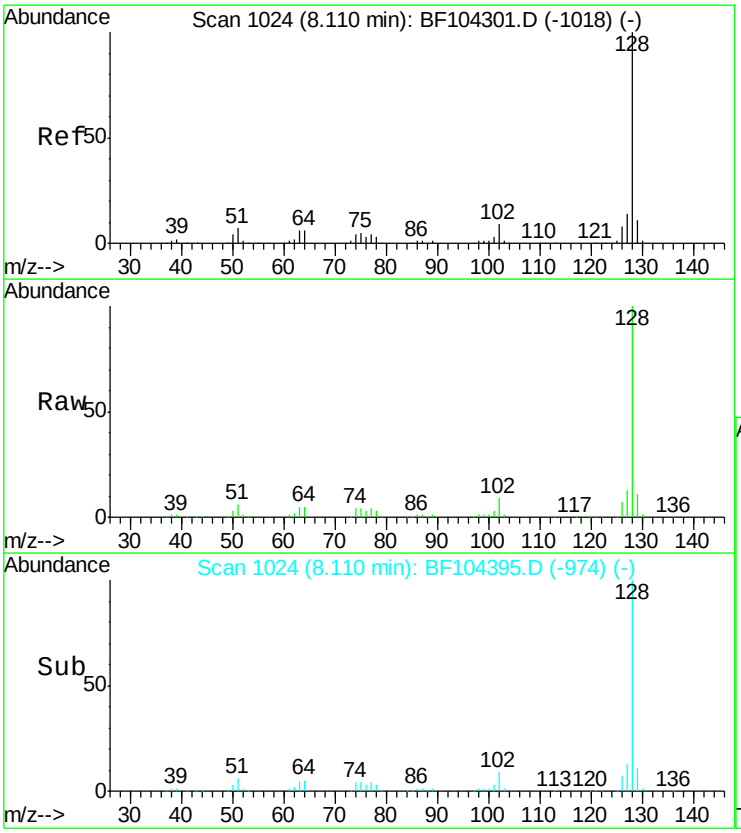
#23
Nitrobenzene-d5
Concen: 4.499 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion: 82 Resp: 29948

Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	44.5	41.4	62.2

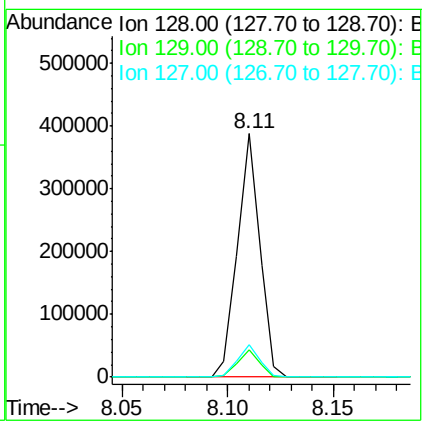


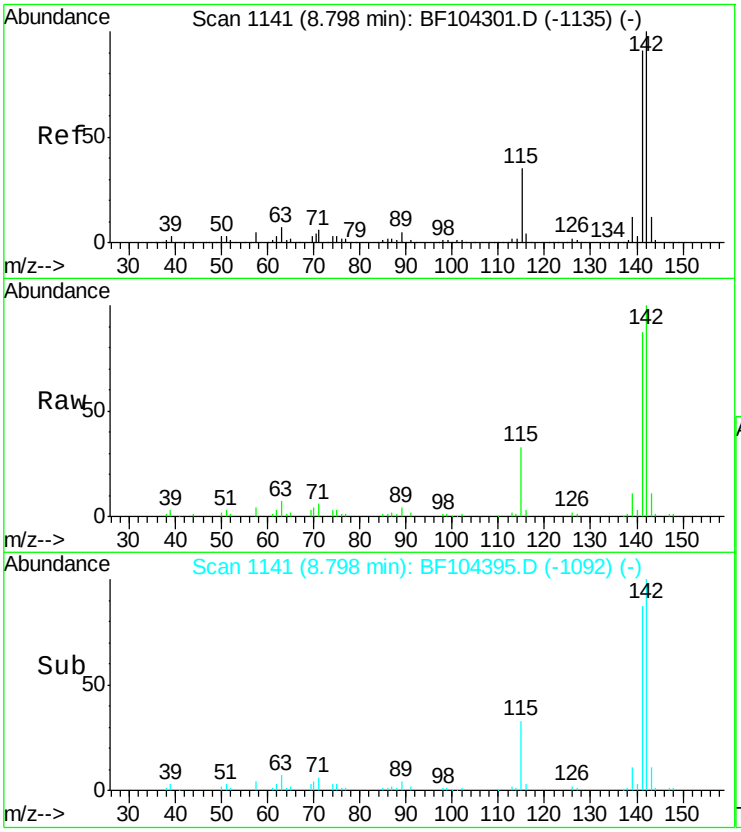


#31
Naphthalene
Concen: 13.095 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:128 Resp: 283437

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.2	10.9	16.3



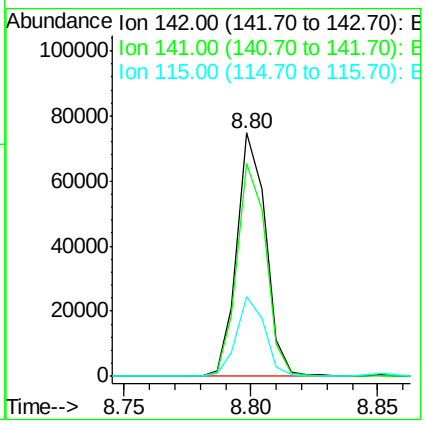


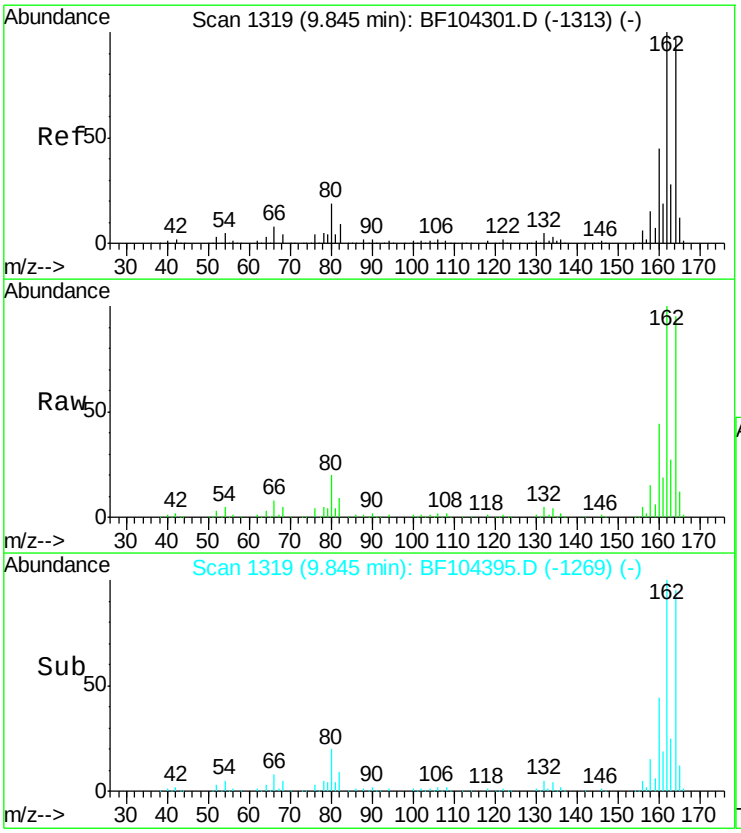
#37
2-Methylnaphthalene
Concen: 4.246 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:142 Resp: 59445

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.8	106.2
115	32.8	26.1	39.1

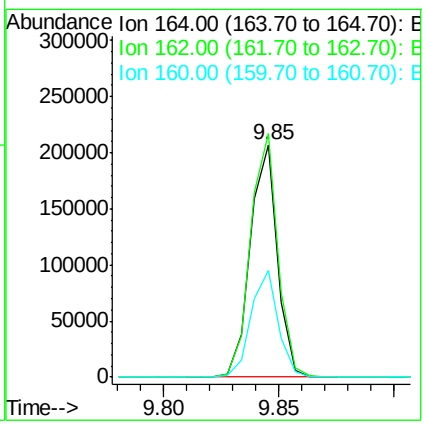


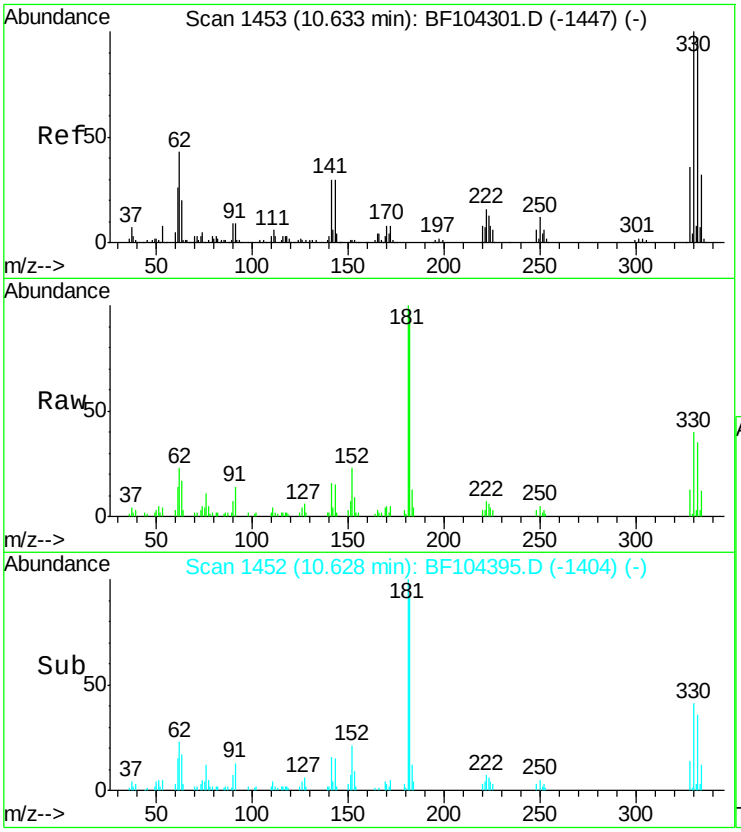


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:164 Resp: 169588

Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	46.2	38.3	57.5



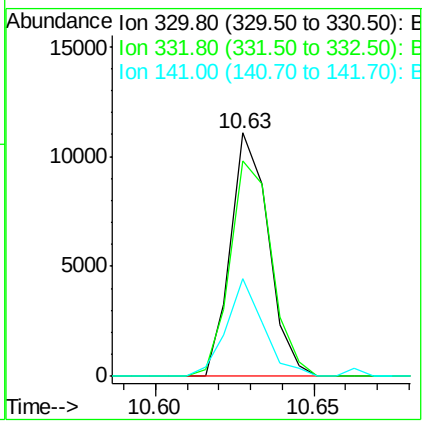


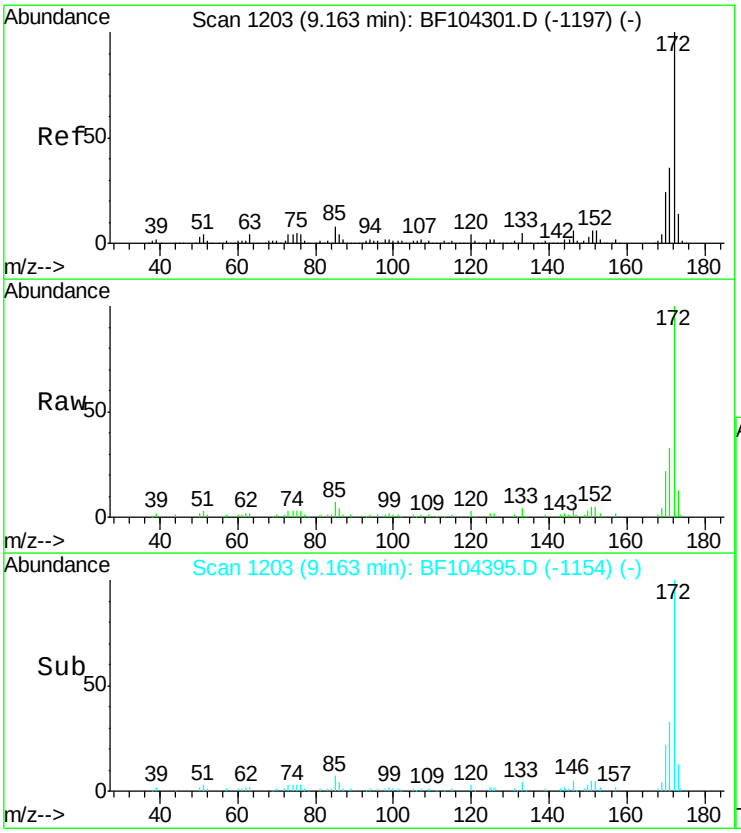
#41
2,4,6-Tribromophenol
Concen: 5.211 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:330 Resp: 9167

Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	39.2	29.9	44.9

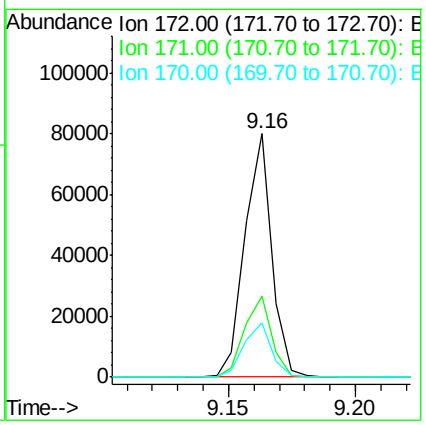


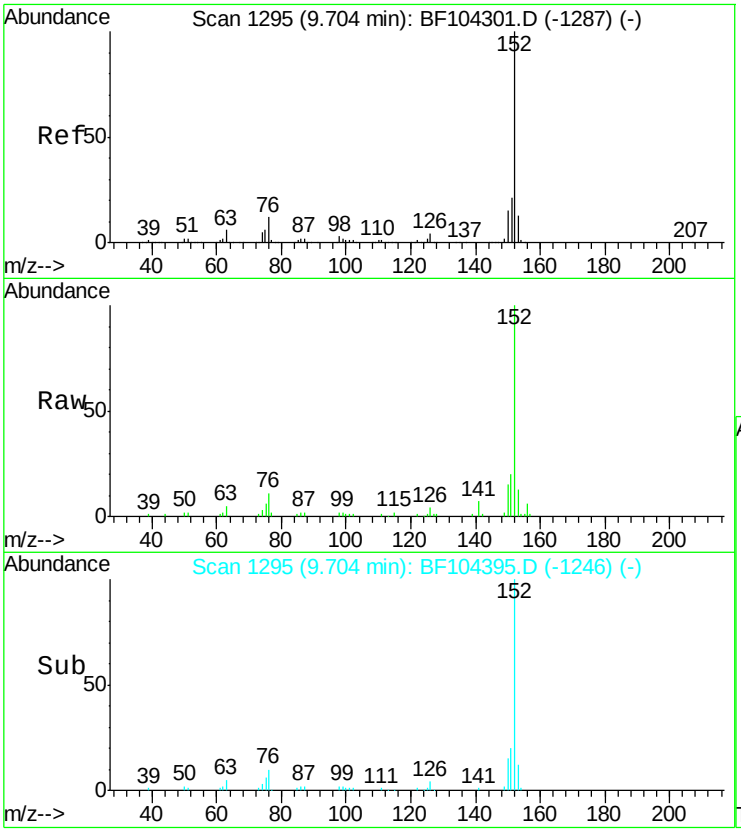


#44
2-Fluorobiphenyl
Concen: 5.492 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:172 Resp: 58954

Ion	Ratio	Lower	Upper
172	100		
171	33.4	29.7	44.5
170	22.5	19.6	29.4



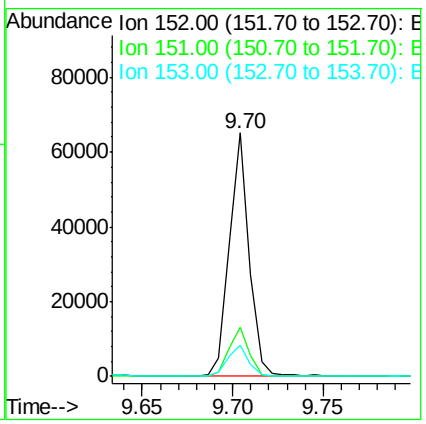


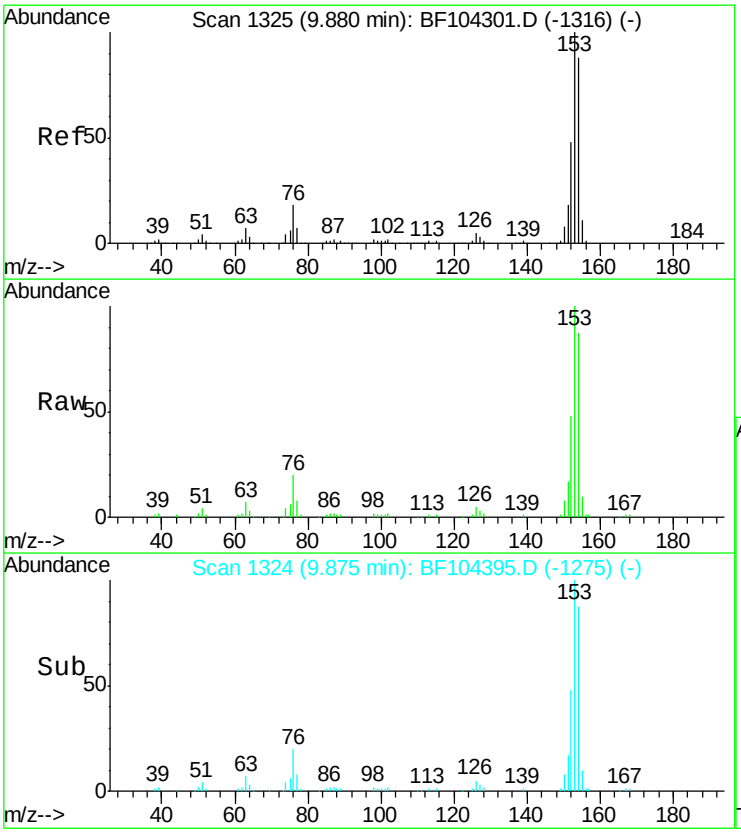
#48
Acenaphthylene
Concen: 2.817 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:152 Resp: 49727

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.0	10.7	16.1

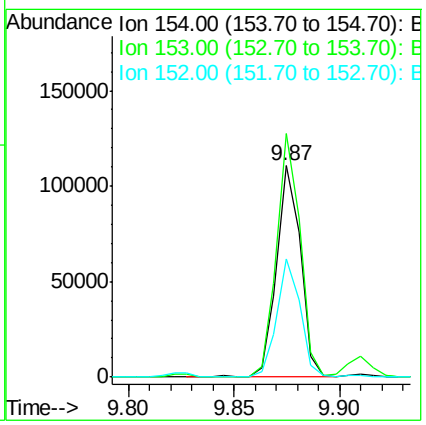


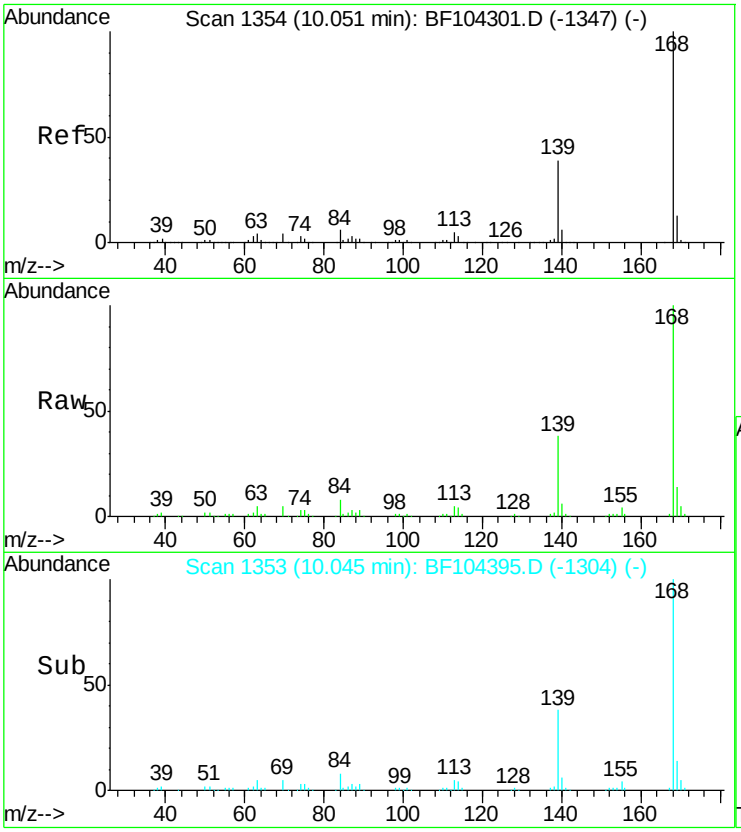


#51
Acenaphthene
Concen: 8.108 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:154 Resp: 87338

Ion	Ratio	Lower	Upper
154	100		
153	115.3	91.2	136.8
152	55.9	43.8	65.8



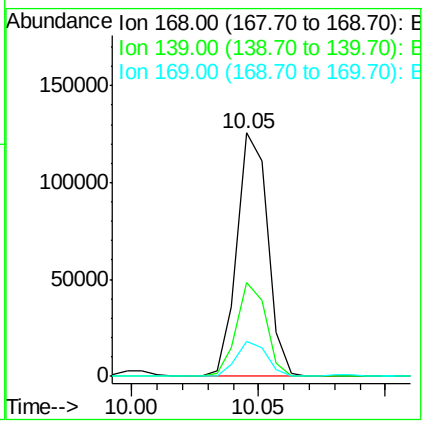


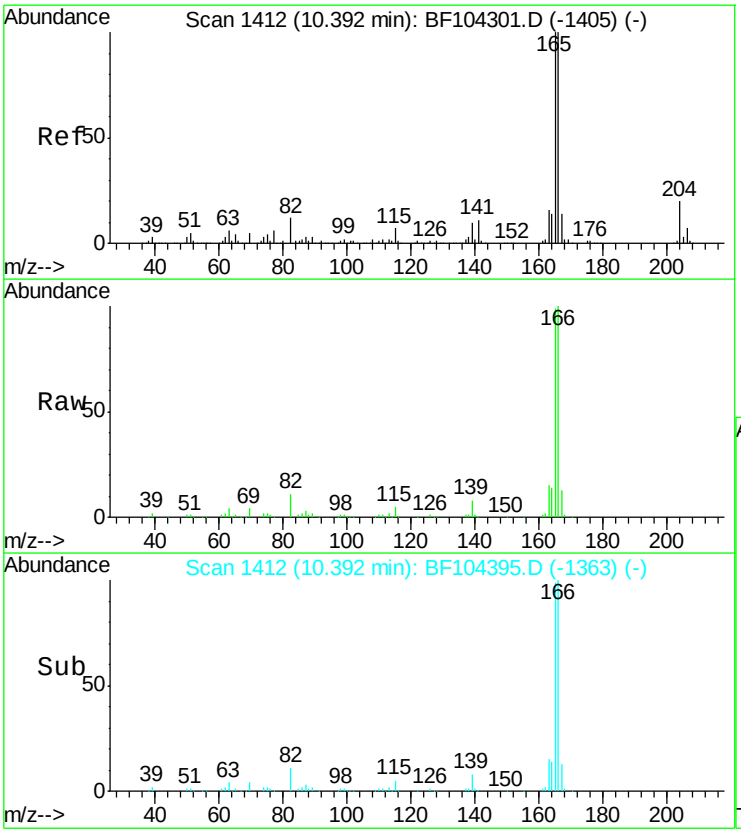
#54
Dibenzofuran
Concen: 7.038 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:168 Resp: 105661

Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.1	45.1
169	14.1	10.9	16.3

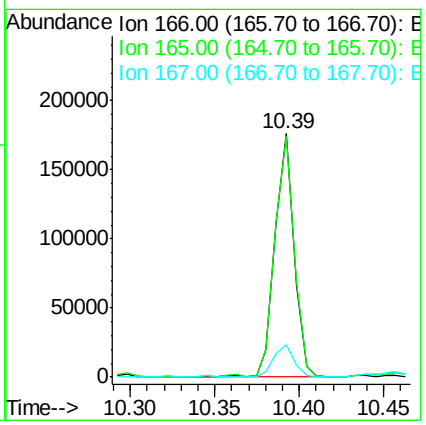


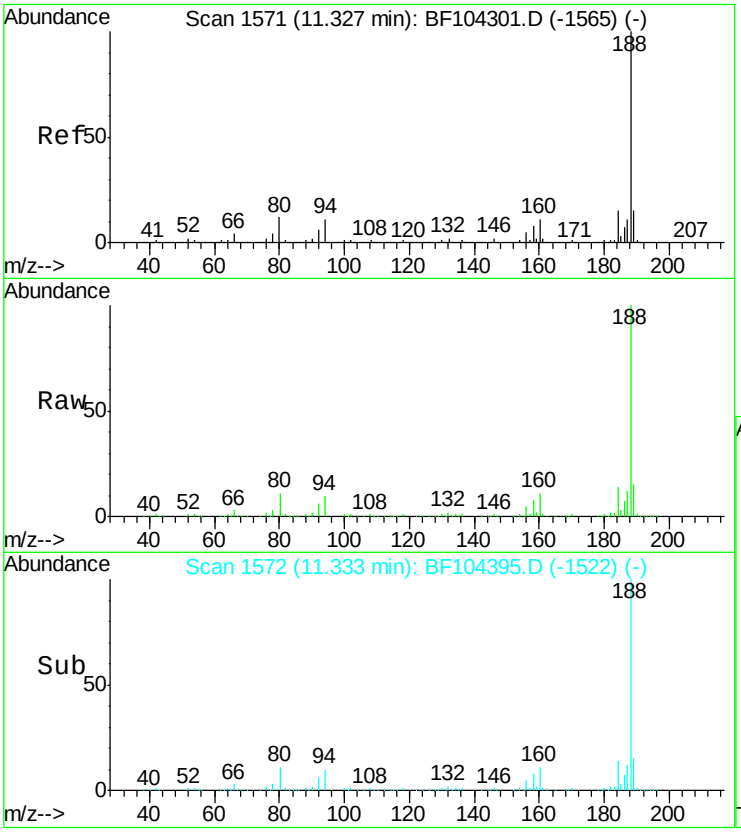


#57
Fluorene
Concen: 12.560 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:166 Resp: 137249

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	13.5	10.6	16.0



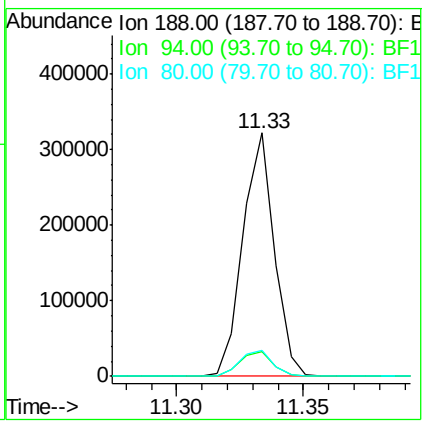


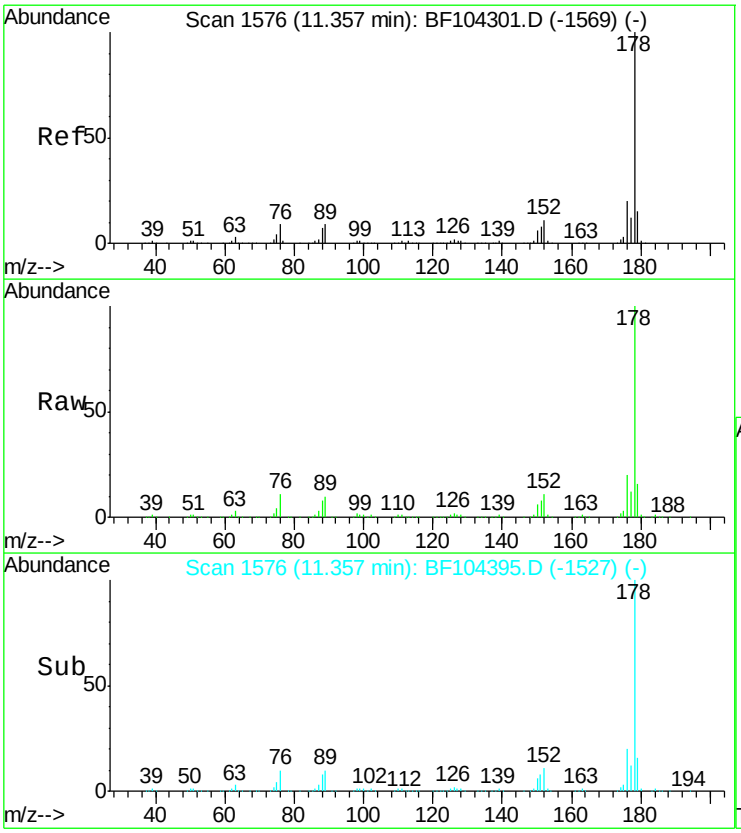
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:188 Resp: 277479

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	10.7	9.2	13.8

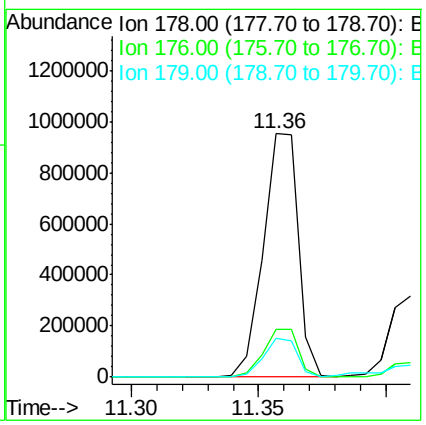


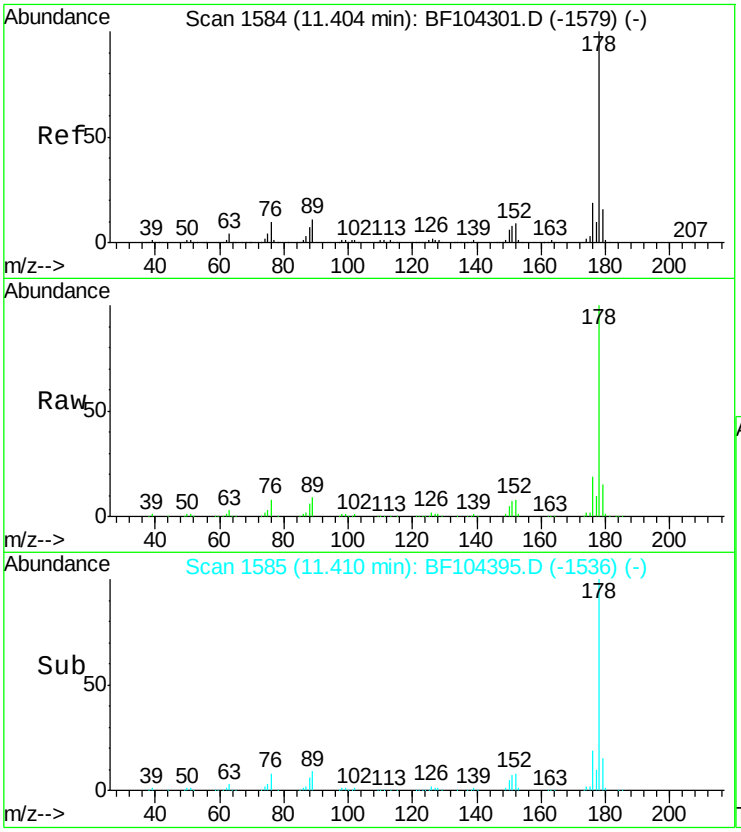


#70
Phenanthrene
Concen: 59.696 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:178 Resp: 922459

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	13.0	19.6



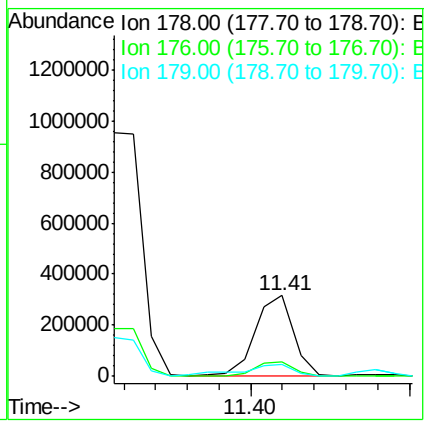


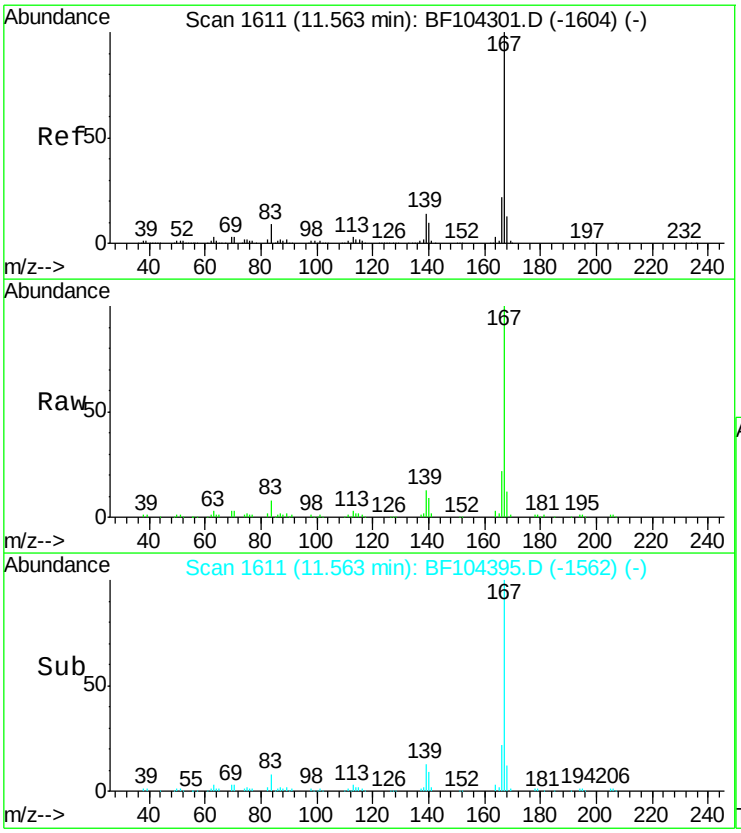
#71
Anthracene
Concen: 16.807 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:178 Resp: 263995

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

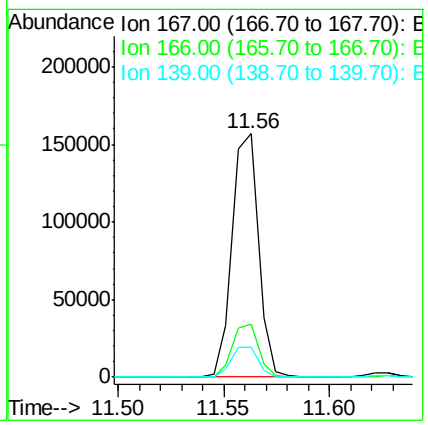


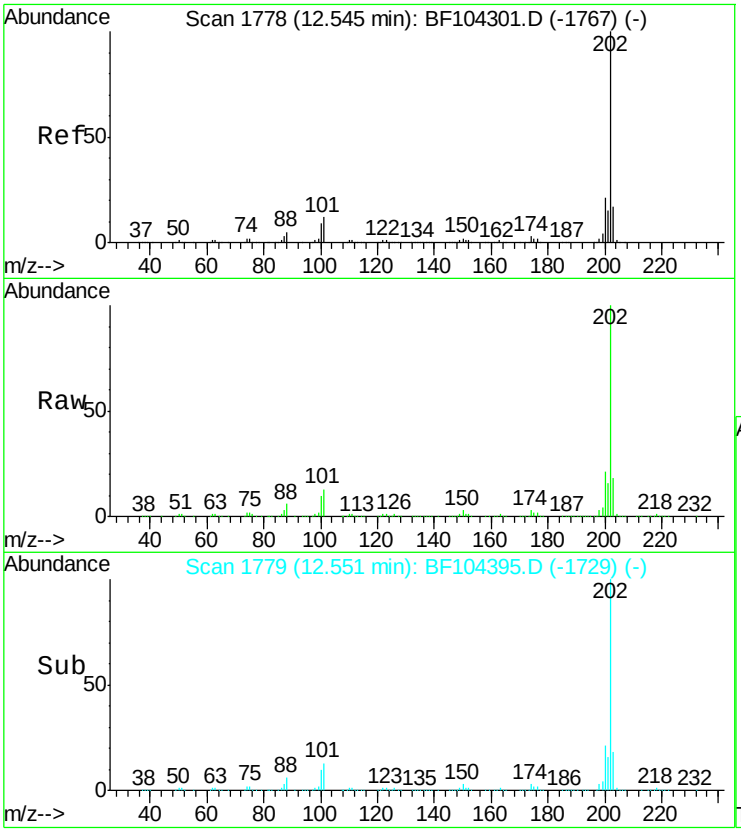


#72
Carbazole
Concen: 8.796 ng
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:167 Resp: 135009

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	12.5	10.9	16.3



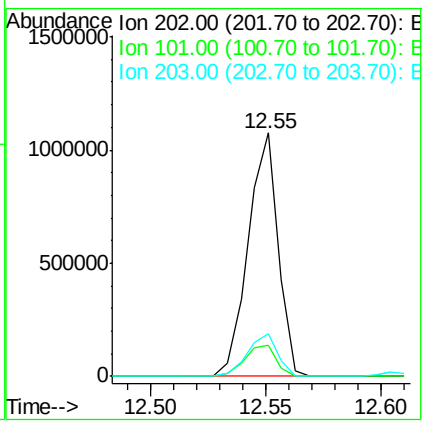


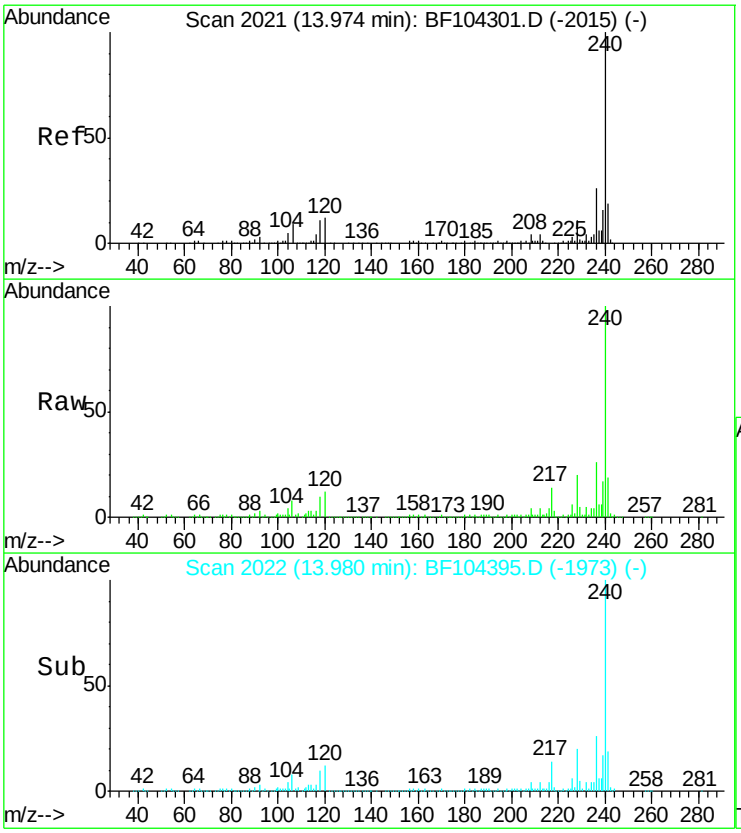
#74
Fluoranthene
Concen: 60.293 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:202 Resp: 973425

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.6	0.0	38.1

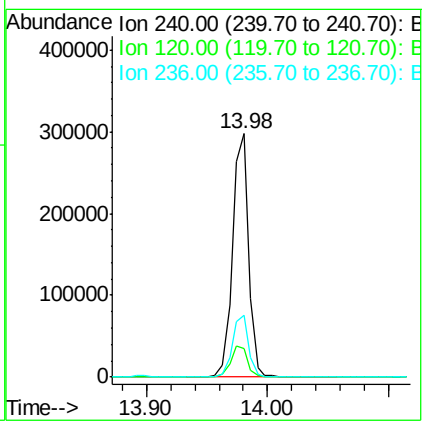


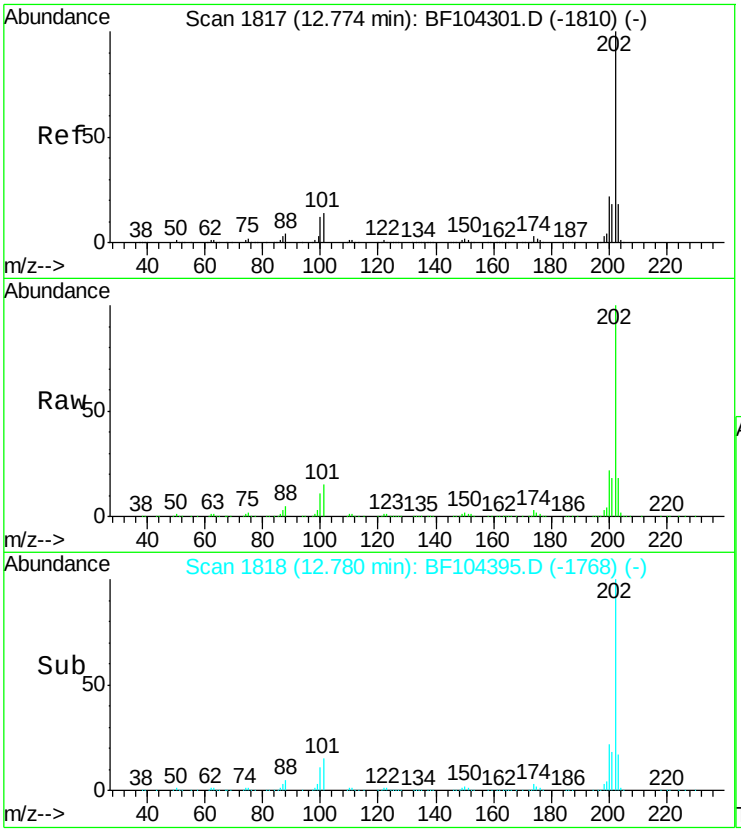


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:240 Resp: 276713

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.5	14.3
236	25.5	20.7	31.1



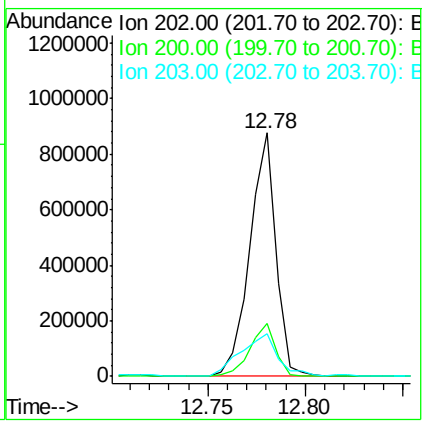


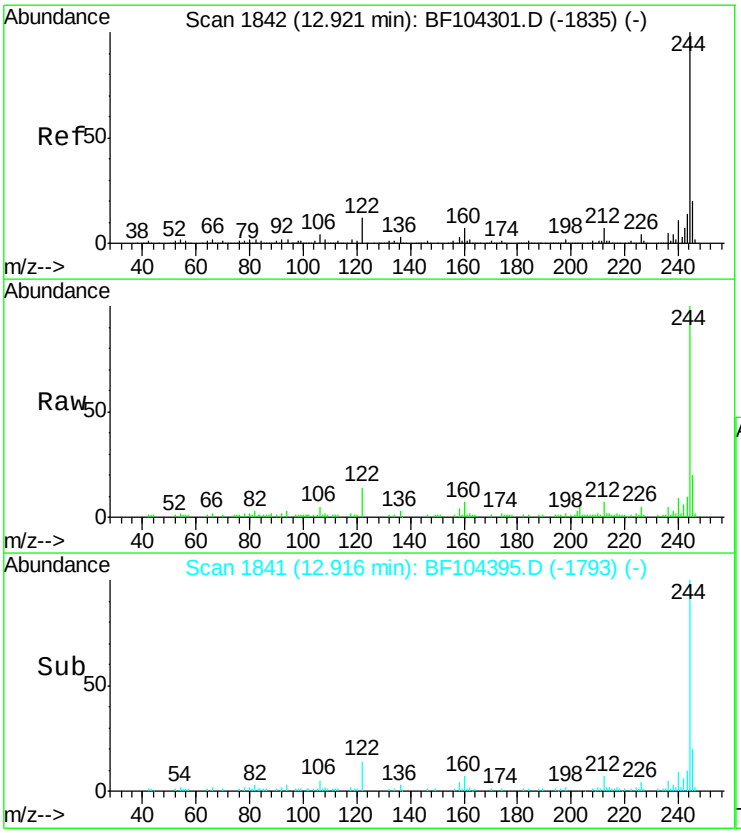
#77
Pyrene
Concen: 39.564 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:202 Resp: 811492

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.7	14.3	21.5

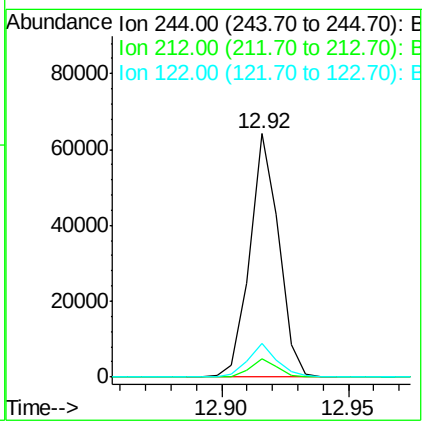


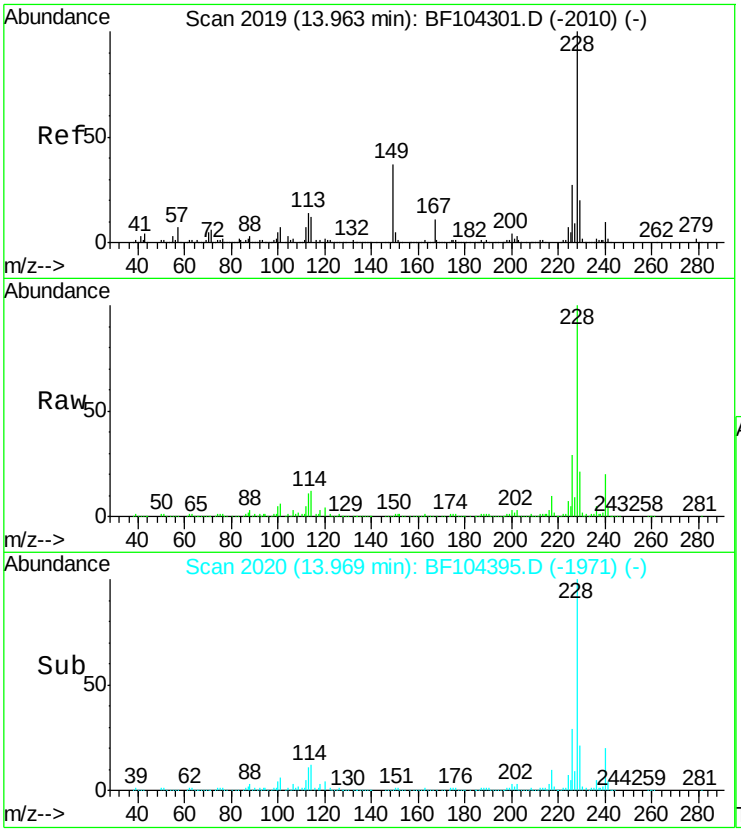


#78
Terphenyl-d14
Concen: 4.215 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:244 Resp: 51158

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.4	8.0
122	13.7	11.0	16.4



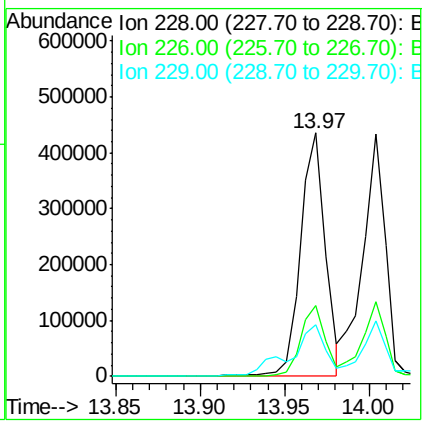


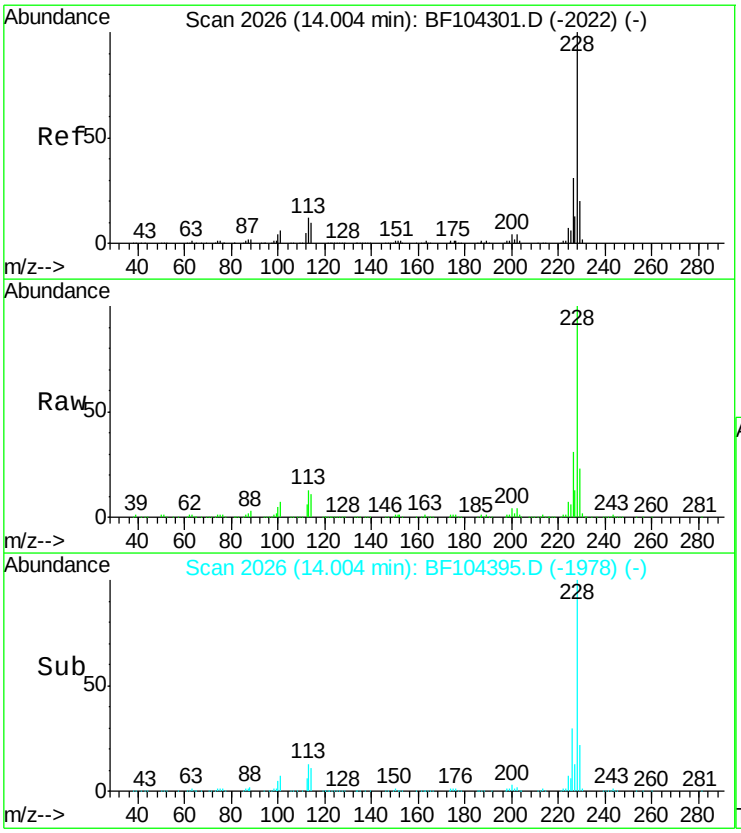
#80
Benzo(a)anthracene
Concen: 26.651 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:228 Resp: 440568

Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.6	33.8
229	21.0	15.8	23.6

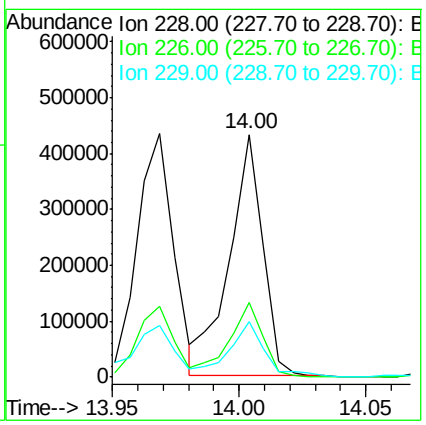


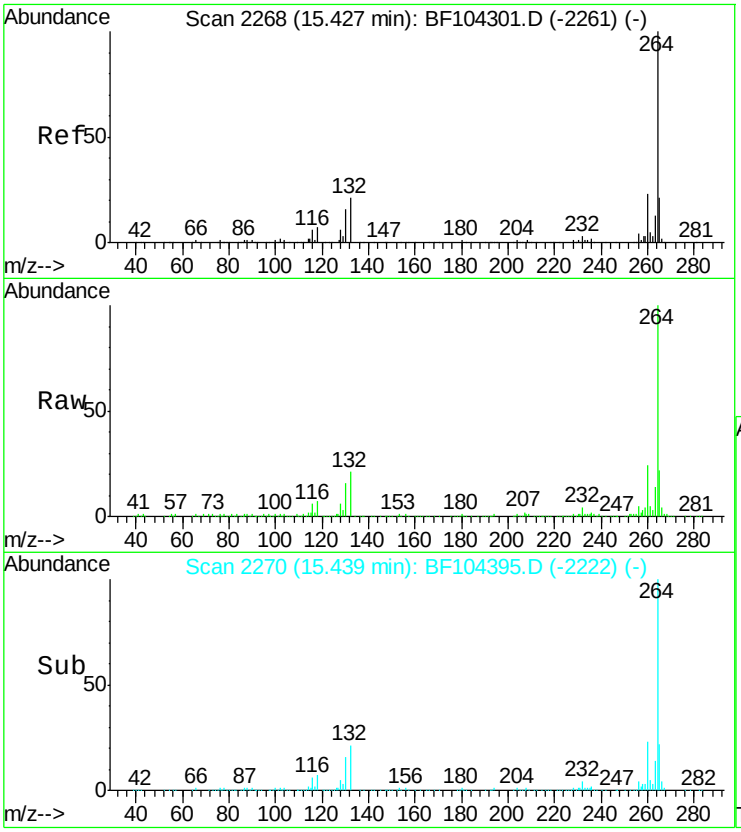


#82
Chrysene
Concen: 23.561 ng m
RT: 14.00 min Scan# 2026
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:228 Resp: 400067

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.7	16.2	24.4



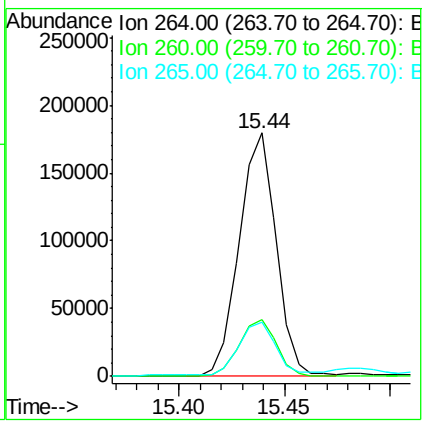


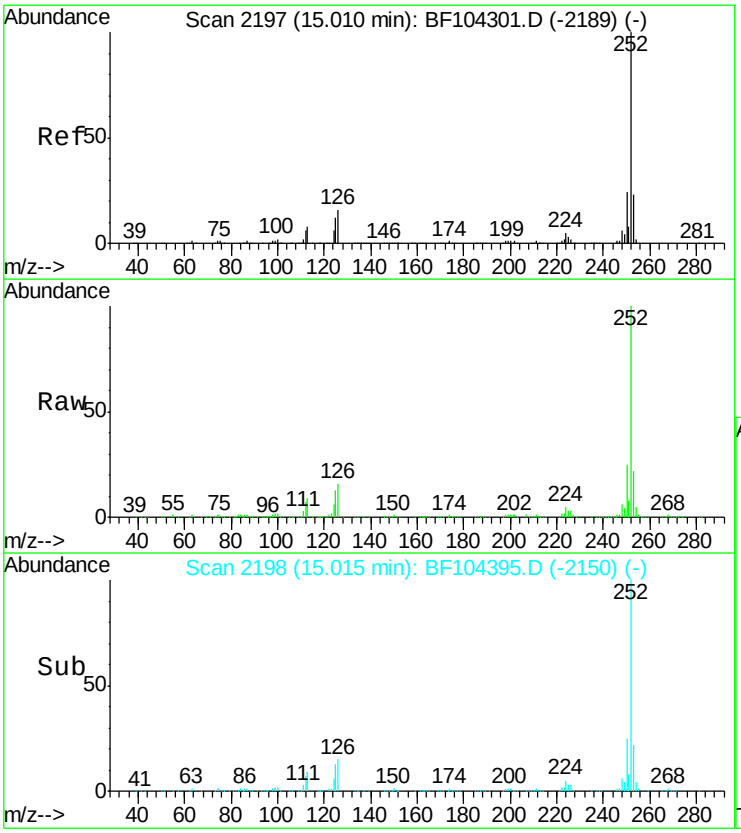
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:264 Resp: 217808

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.3	17.5	26.3

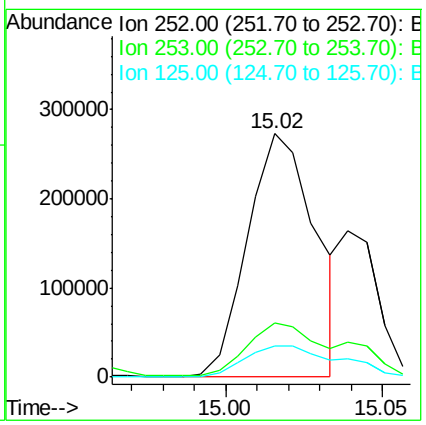


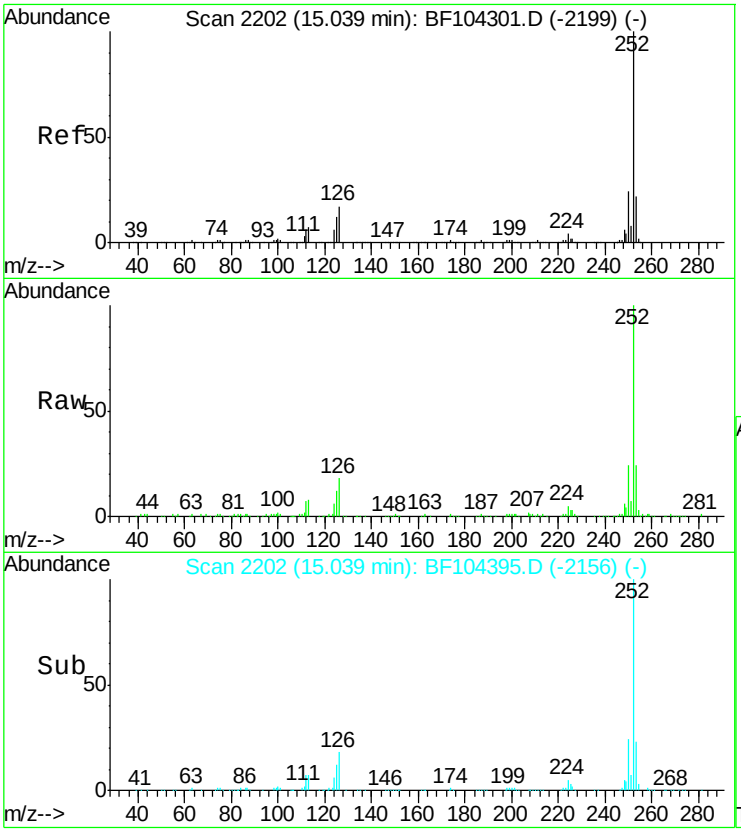


#87
Benzo(b)fluoranthene
Concen: 29.889 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:252 Resp: 411168

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	13.0	9.0	13.6



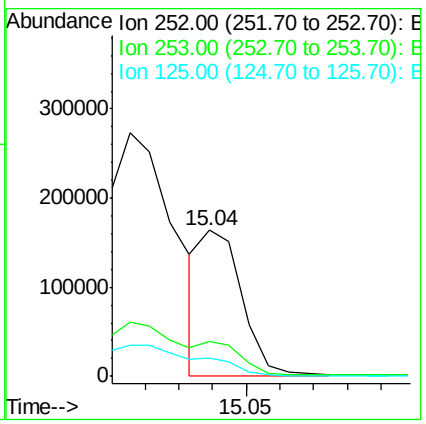


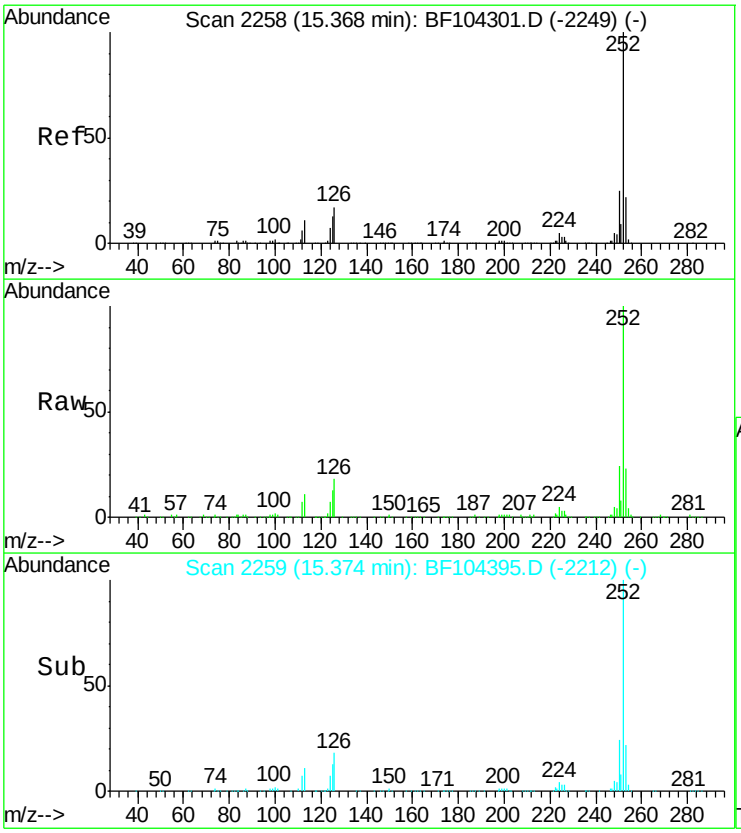
#88
Benzo(k)fluoranthene
Concen: 10.515 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.03 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:252 Resp: 136560

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.2	10.2	15.2

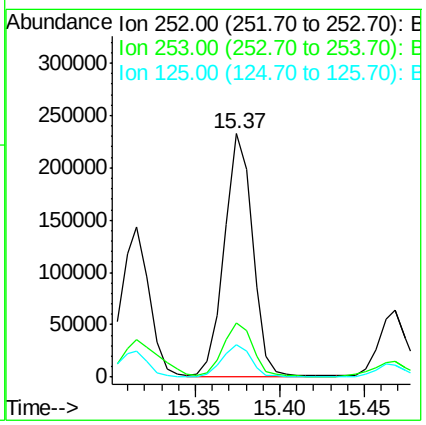


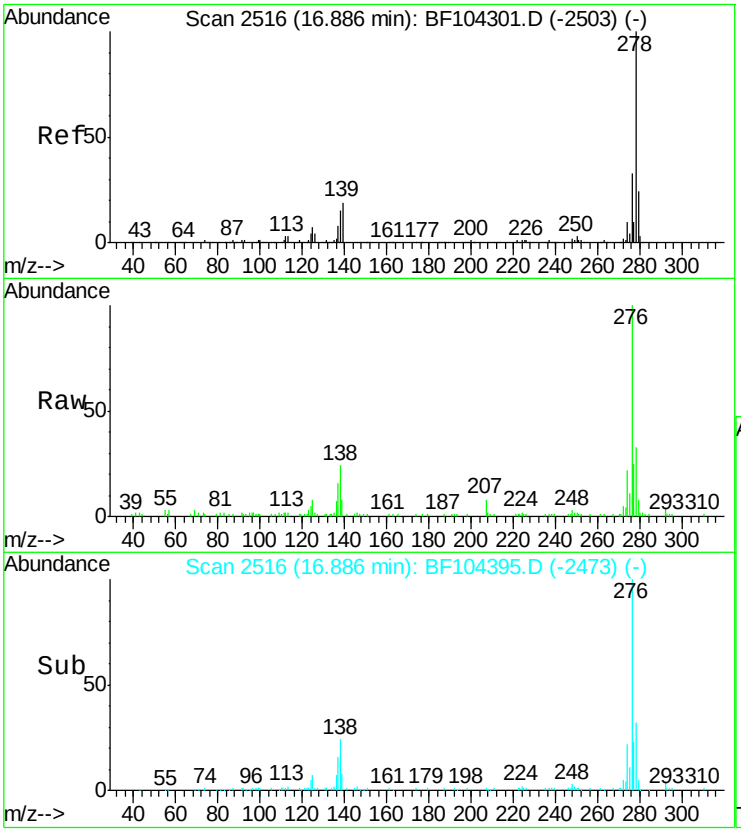


#89
Benzo(a)pyrene
Concen: 21.871 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.02 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:252 Resp: 269196

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	13.3	9.8	14.6



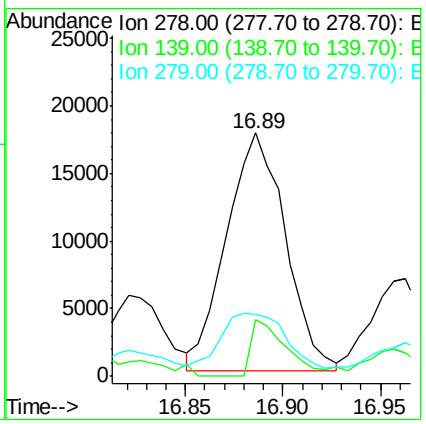


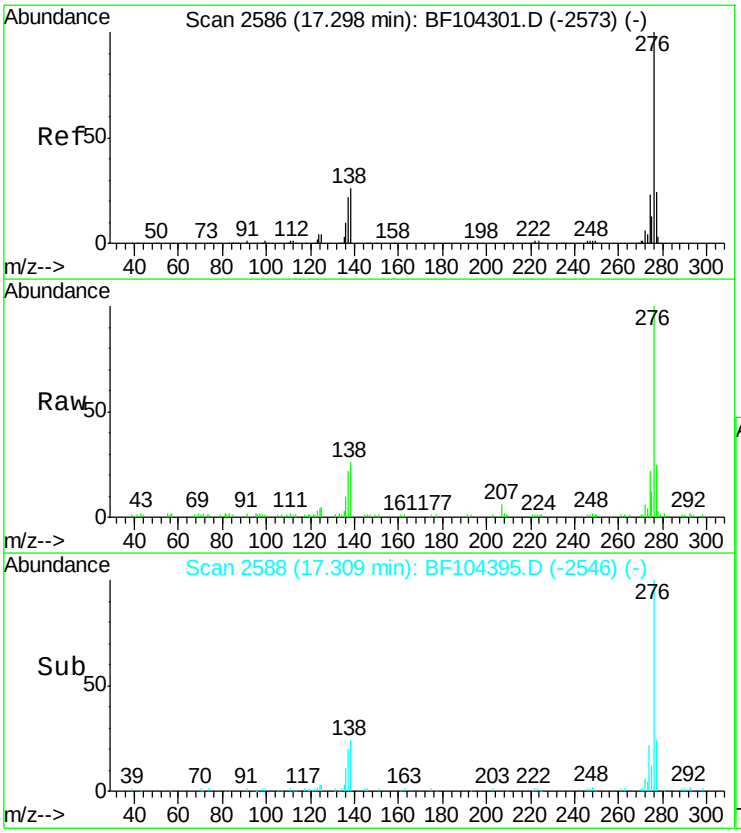
#90
Dibenzo(a,h)anthracene
Concen: 3.635 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.05 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Instrument :
BNA_F
ClientSampleId :
SB-3-1(1-3)DL

Tgt Ion:278 Resp: 36745

Ion	Ratio	Lower	Upper
278	100		
139	23.4	15.9	23.9
279	25.4	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 12.122 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.05 min
Lab File: BF104395.D
Acq: 10 Apr 2018 2:18

Tgt Ion:276 Resp: 118724

Ion	Ratio	Lower	Upper
276	100		
277	24.9	17.9	26.9
138	25.5	21.8	32.8