Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104767.D
Acq On : 24 Apr 2018 20:07
Operator : JU/SJ
Sample : J2508-05
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 24 21:59:01 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	110434	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	445243	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	187781	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	295727	20.00	ng		0.00
75) Chrysene-d12	13.99	240	215747	20.00	ng		0.00
86) Perylene-d12	15.46	264	147871	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	493648	68.35	ng		0.01
7) Phenol-d6	6.45	99	622946	70.20	ng		0.00
23) Nitrobenzene-d5	7.37	82	384493	56.39	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	129720	66.59	ng		0.00
44) 2-Fluorobiphenyl	9.17	172	653374	54.97	ng		0.00
78) Terphenyl-d14	12.93	244	469974	49.66	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	51103	8.813	ng	#	72
25) Isophorone	7.37	82	384488	26.665	ng	#	64
49) Dimethylphthalate	9.56	163	61892	4.180	ng		98
50) 2,6-Dinitrotoluene	9.85	165	24247	8.849	ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	24247	6.746	ng	#	24
66) 4-Bromophenyl-phenylether	10.65	248	8207	2.609	ng	#	1
70) Phenanthrene	11.36	178	73452	4.460	ng		97
74) Fluoranthene	12.56	202	127857	7.431	ng		95
76) Benzidine	12.93	184	6285	Below Cal		#	93
77) Pyrene	12.79	202	126344	7.900	ng		98
80) Benzo(a)anthracene	13.98	228	63185	4.902	ng		96
82) Chrysene	14.02	228	70433	5.320	ng		98
85) Indeno(1,2,3-cd)pyrene	16.93	276	31496	2.801	ng	#	90
87) Benzo(b)fluoranthene	15.03	252	74135	7.938	ng	#	95
88) Benzo(k)fluoranthene	15.03	252	74135	8.408	ng		98
89) Benzo(a)pyrene	15.40	252	40714	4.872	ng	#	89
91) Benzo(g,h,i)perylene	17.37	276	33175	4.989	ng		92

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

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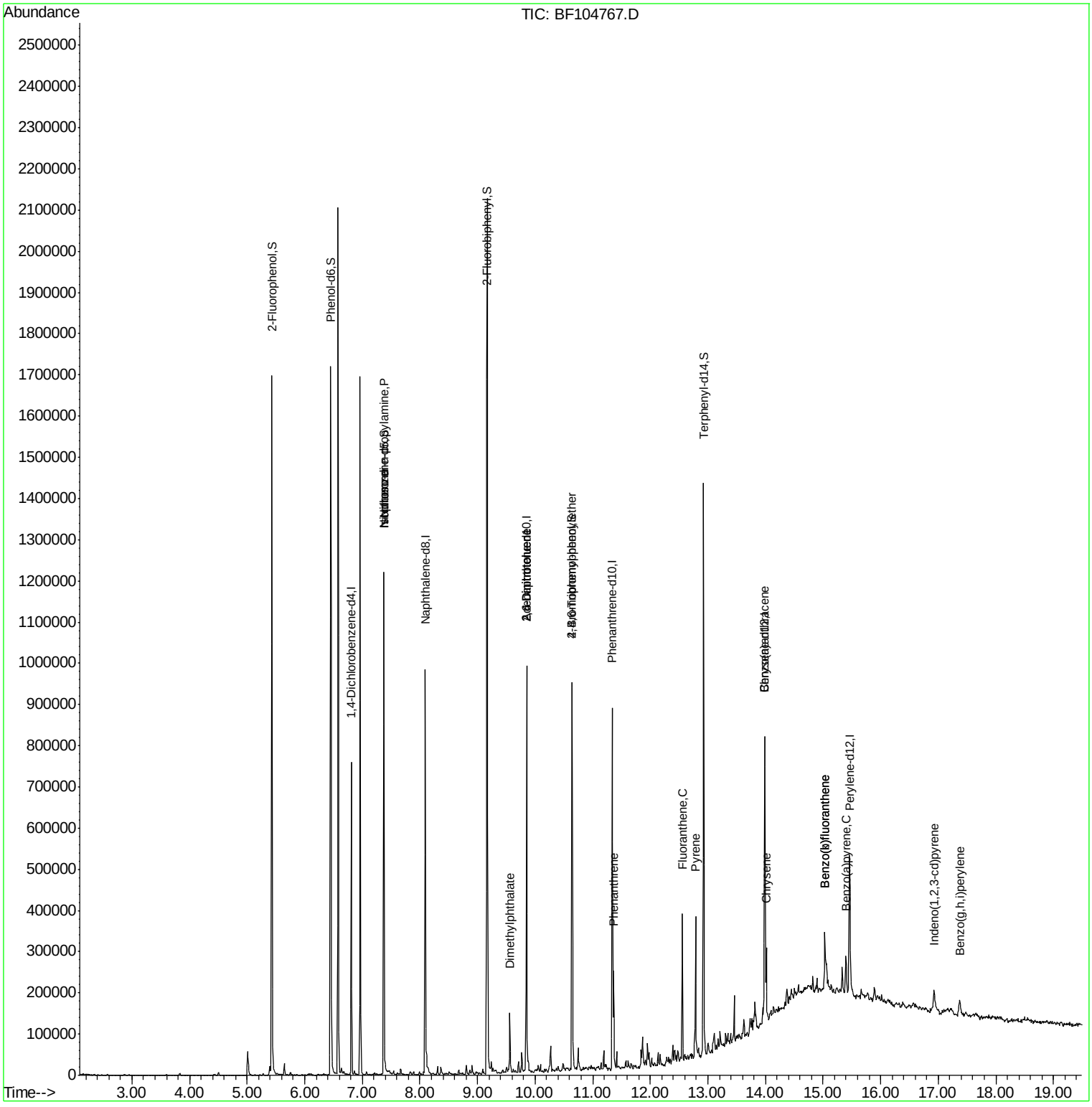
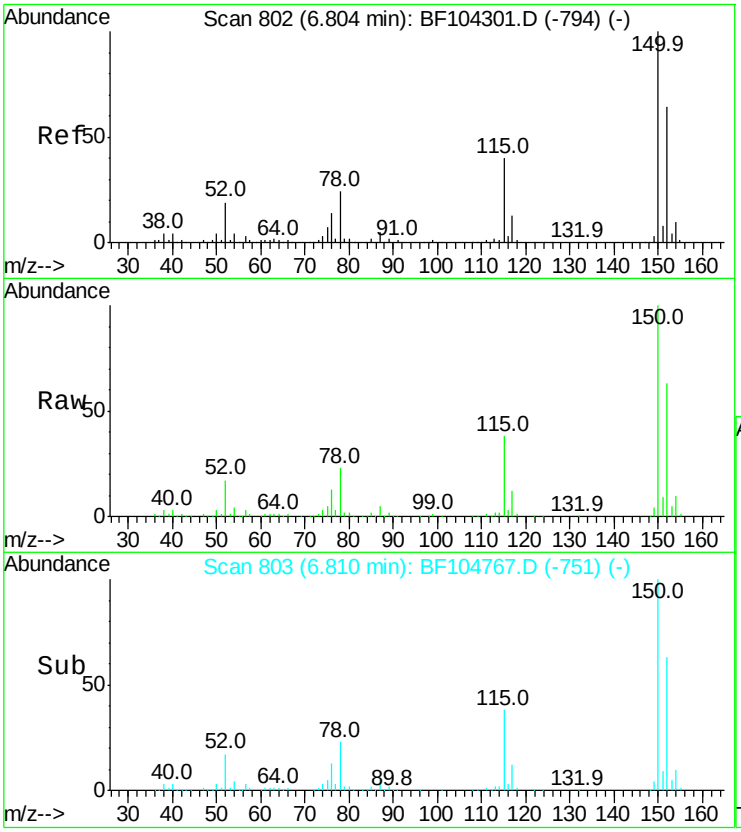


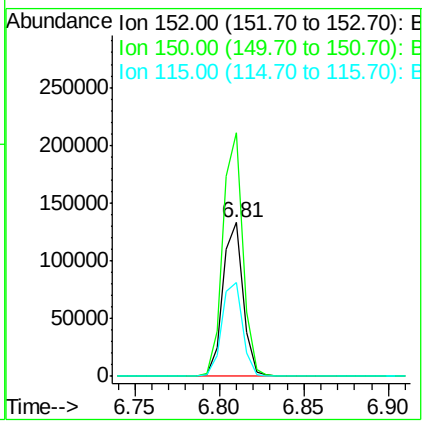


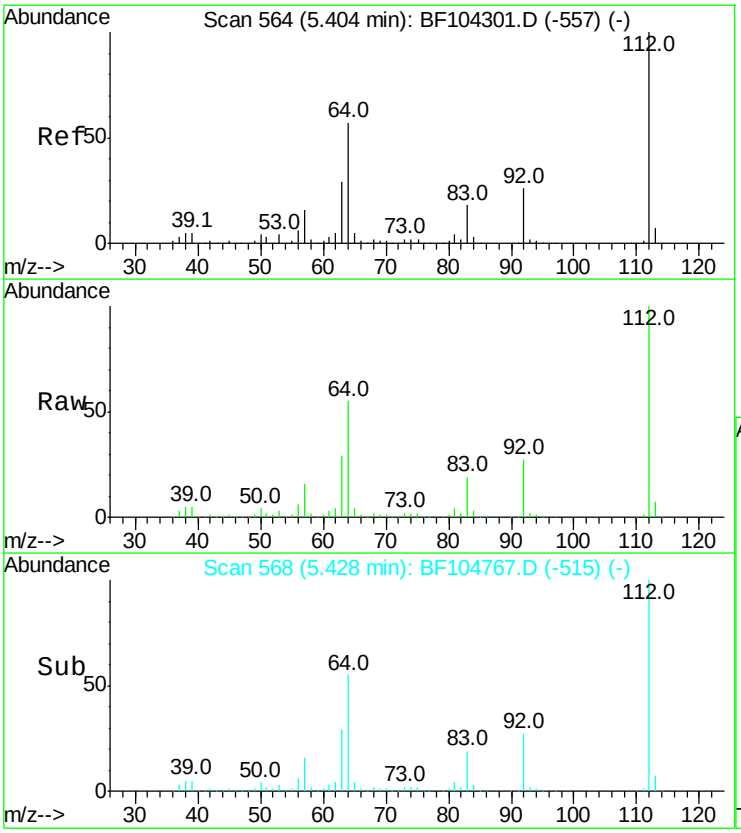
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 110434

Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.6	186.8
115	60.7	50.1	75.1

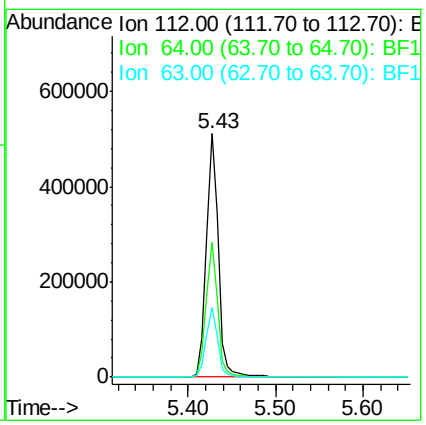


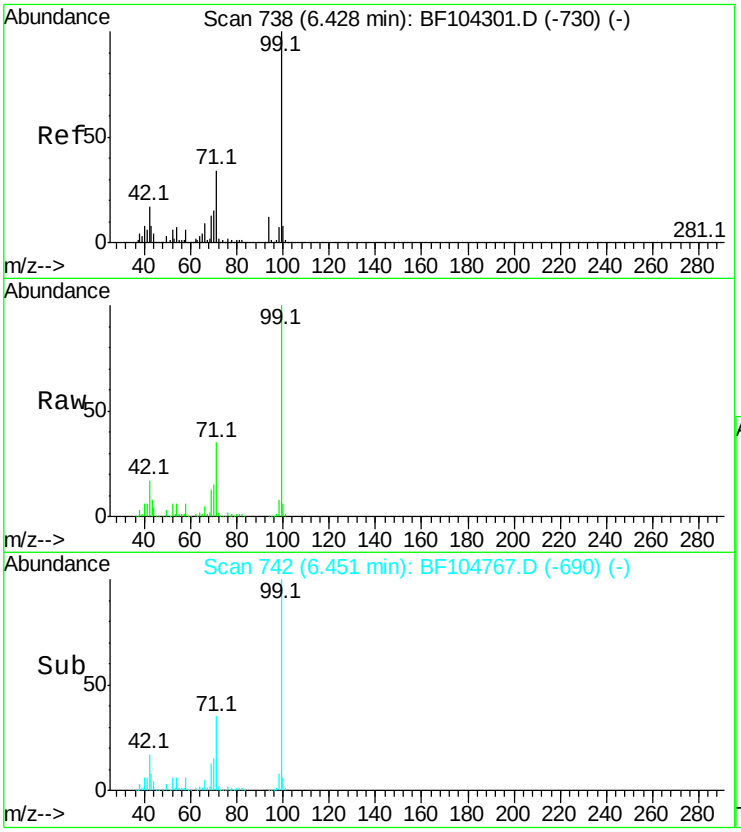


#5
2-Fluorophenol
Concen: 68.350 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:112 Resp: 493648

Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.9	71.9
63	28.5	23.7	35.5



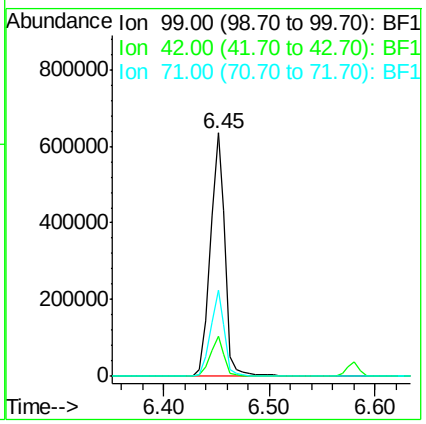


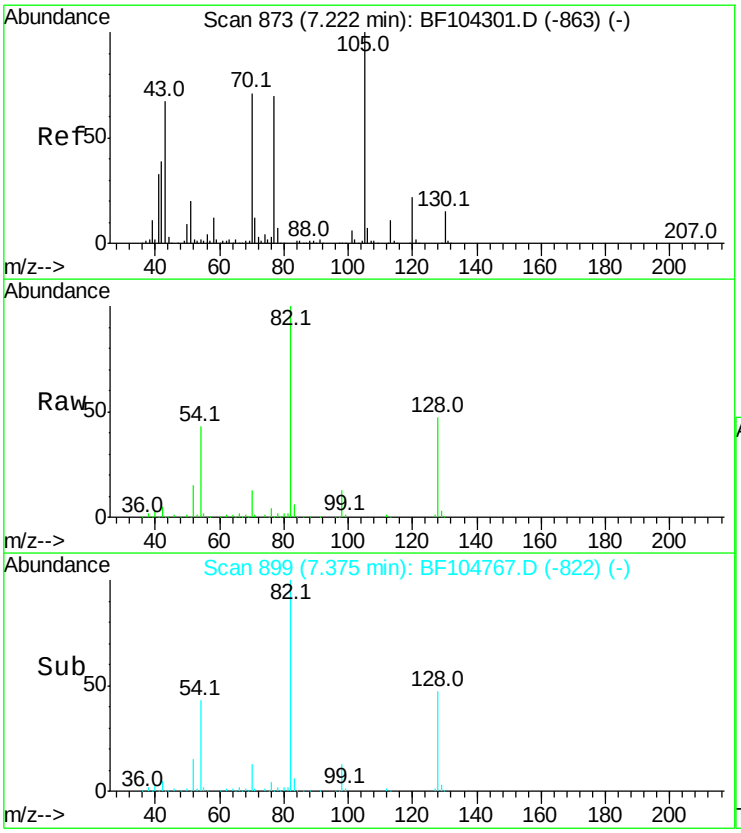
#7
Phenol-d6
Concen: 70.199 ng
RT: 6.45 min Scan# 742
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 622946

Ion	Ratio	Lower	Upper
99	100		
42	16.6	14.5	21.7
71	35.4	25.4	38.0

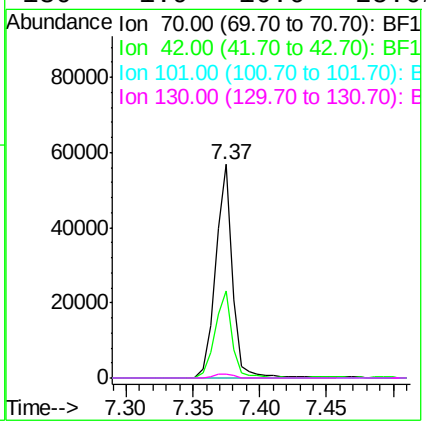


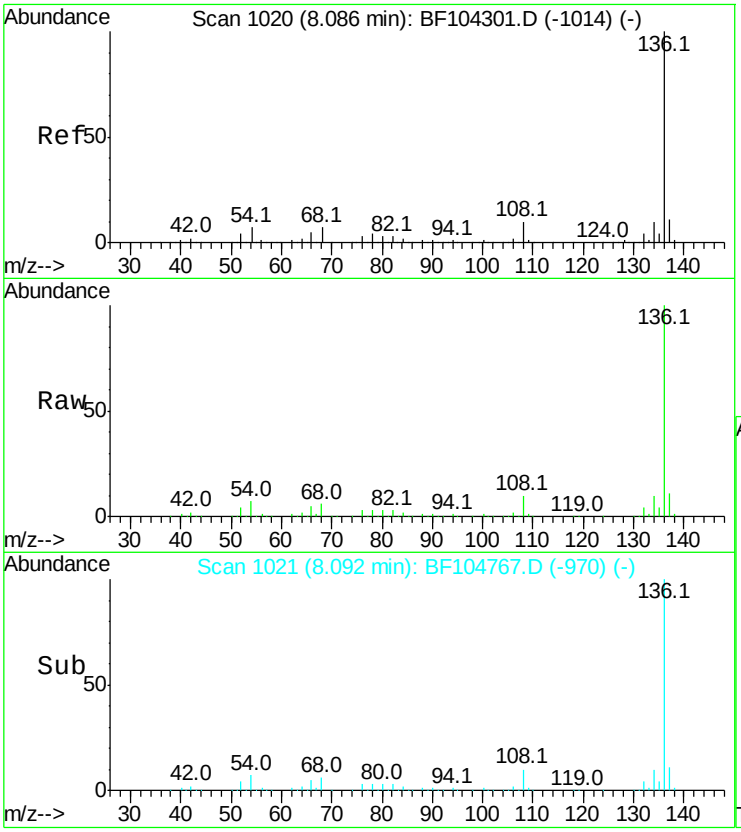


#19
n-Nitroso-di-n-propylamine
Concen: 8.813 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion: 70 Resp: 51103

Ion	Ratio	Lower	Upper
70	100		
42	41.1	47.5	71.3#
101	0.0	7.4	11.2#
130	1.9	16.6	25.0#



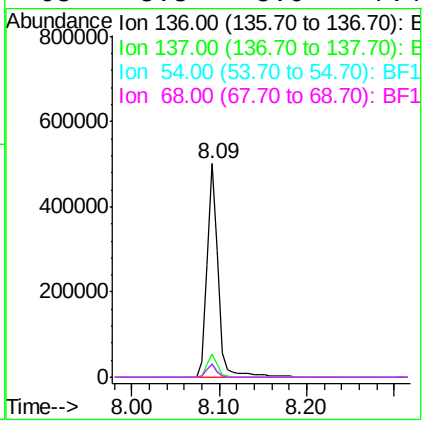


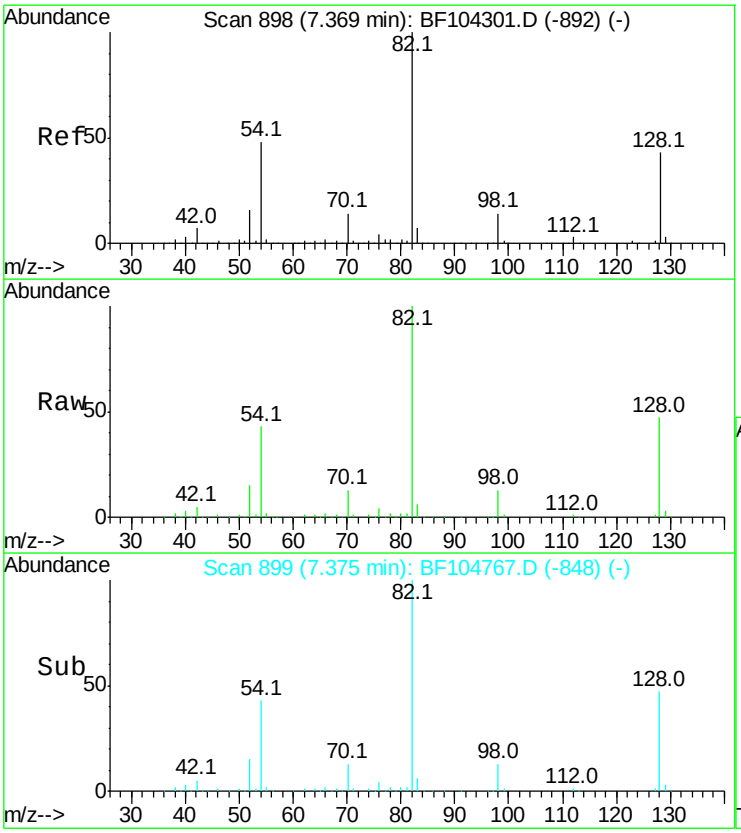
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 445243

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.5	6.6	9.8#
68	5.8	5.0	7.4

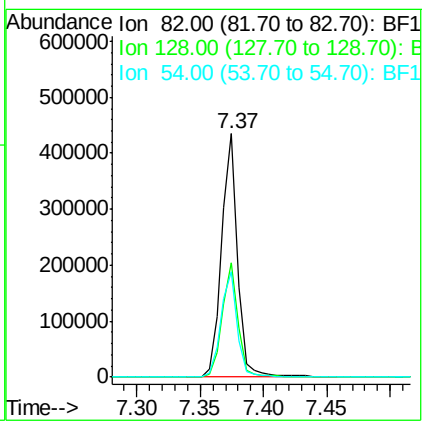


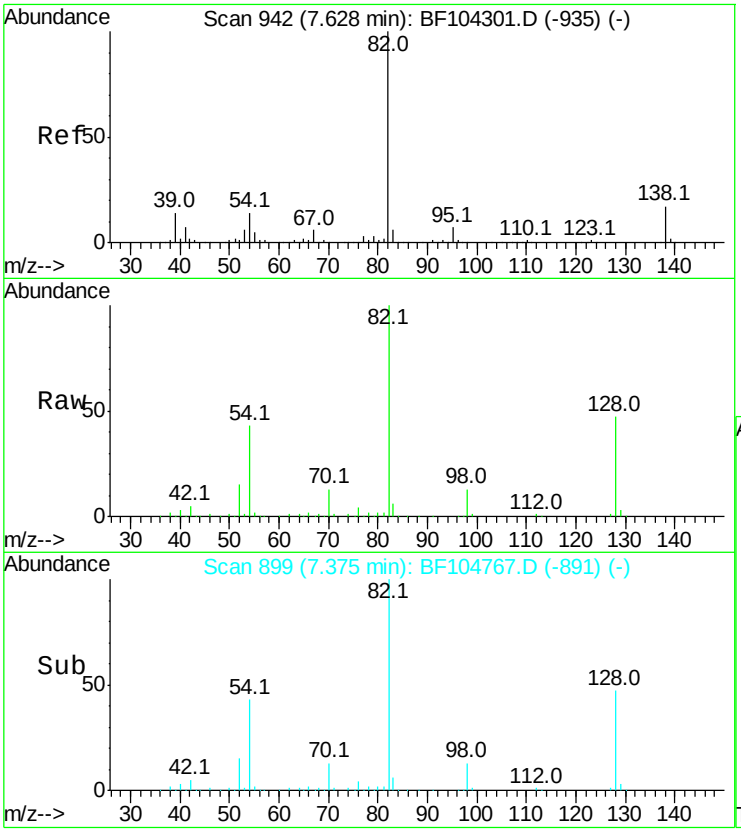


#23
Nitrobenzene-d5
Concen: 56.389 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion: 82 Resp: 384493

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	43.4	41.4	62.2



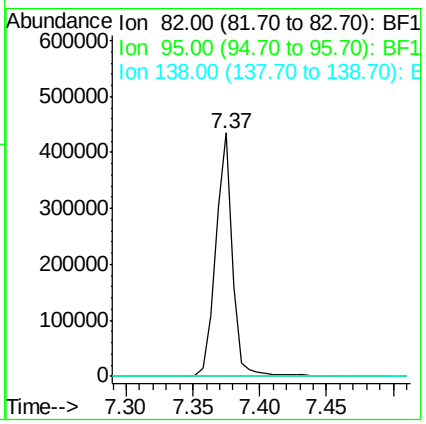


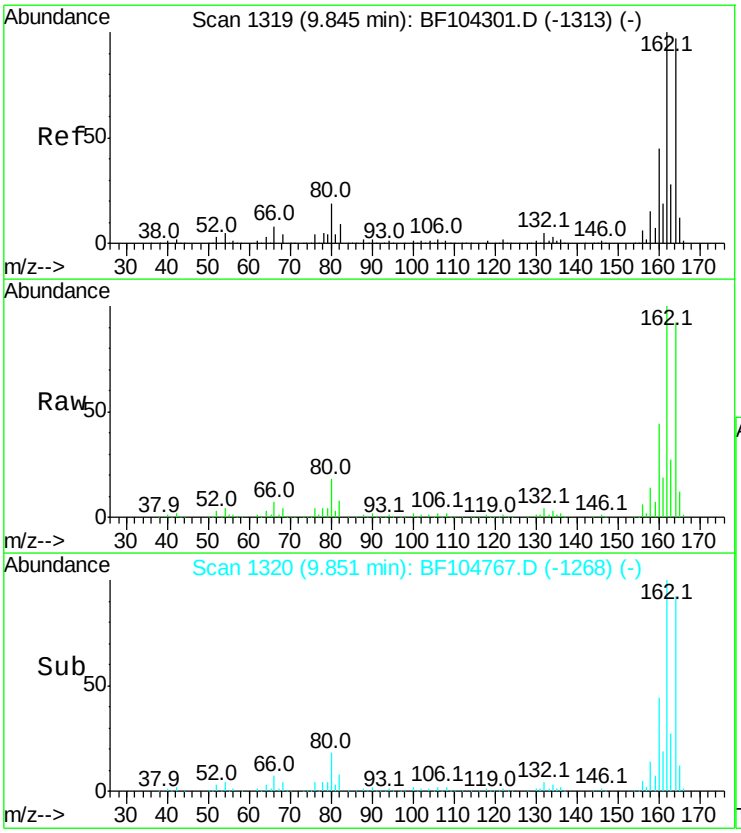
#25
Isophorone
Concen: 26.665 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.25 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 384488

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

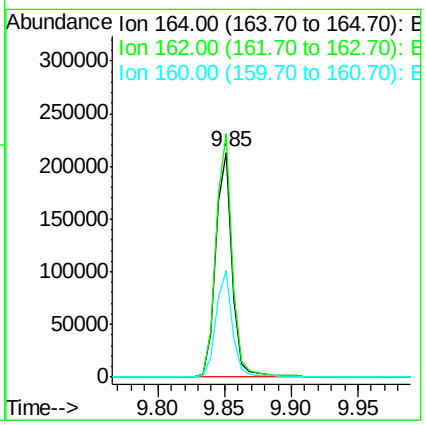


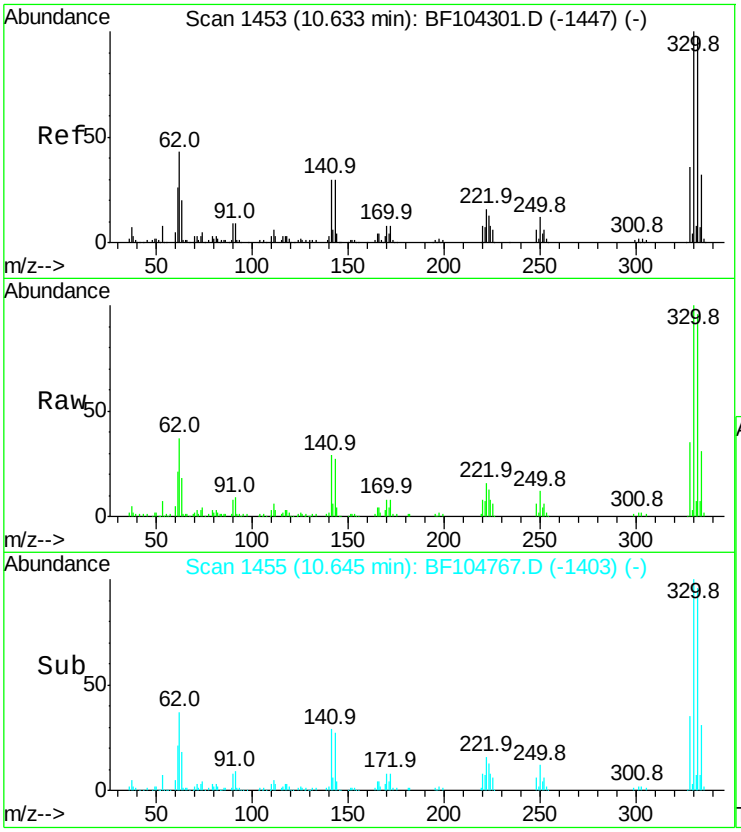


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:164 Resp: 187781

Ion	Ratio	Lower	Upper
164	100		
162	108.2	86.1	129.1
160	47.6	38.3	57.5



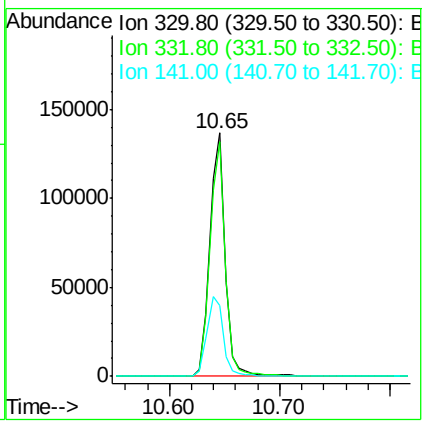


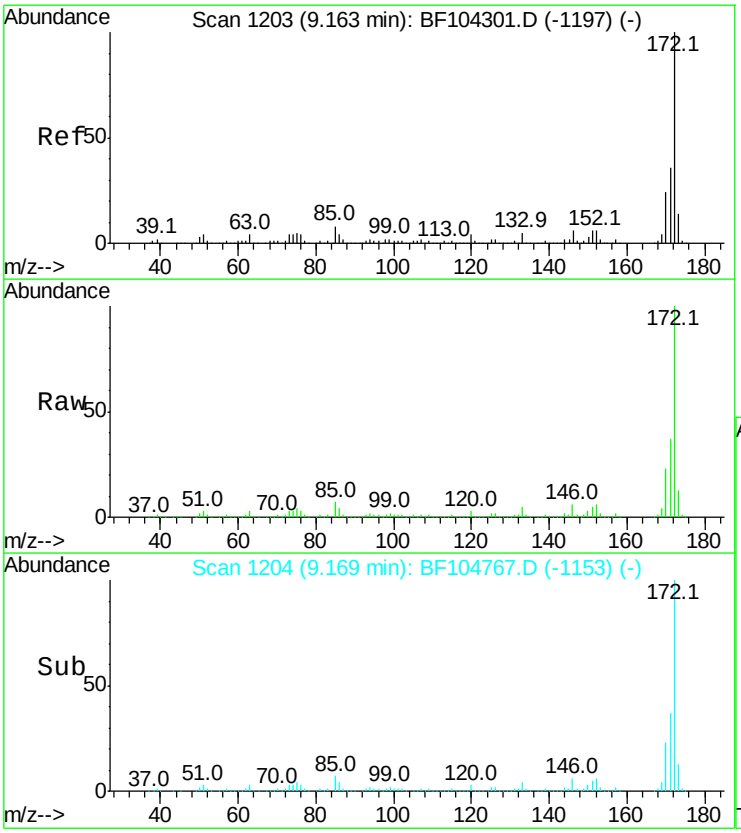
#41
2,4,6-Tribromophenol
Concen: 66.595 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 129720

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	35.3	29.9	44.9

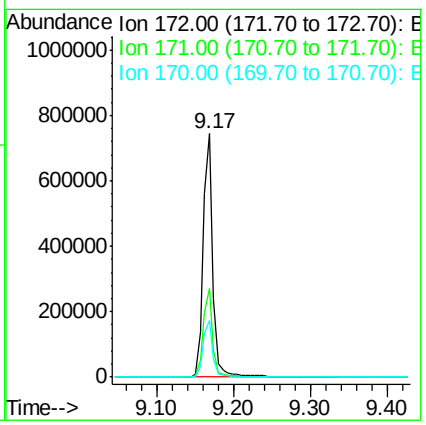


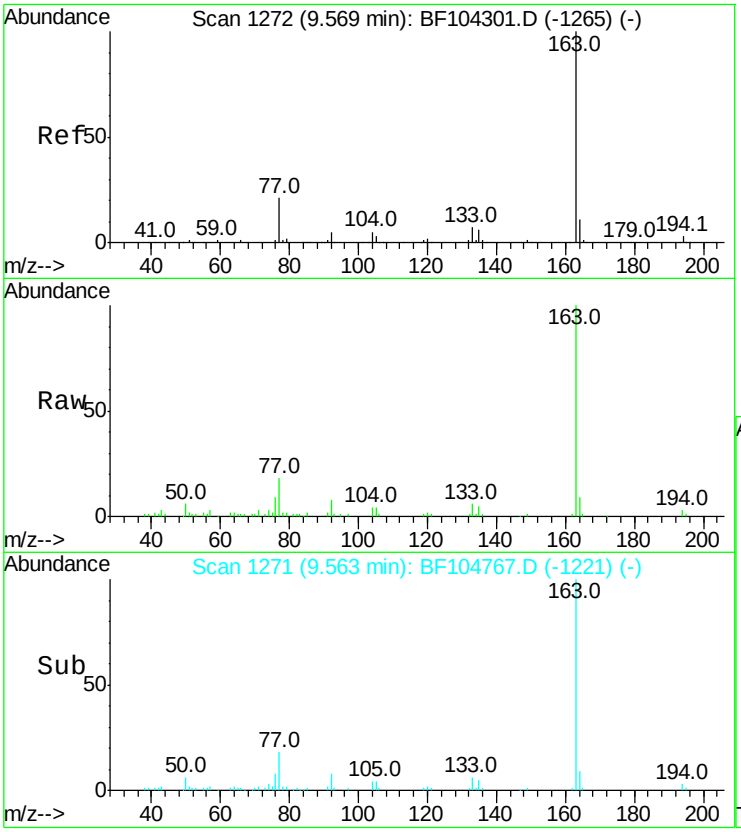


#44
2-Fluorobiphenyl
Concen: 54.967 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:172 Resp: 653374

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.5	19.6	29.4



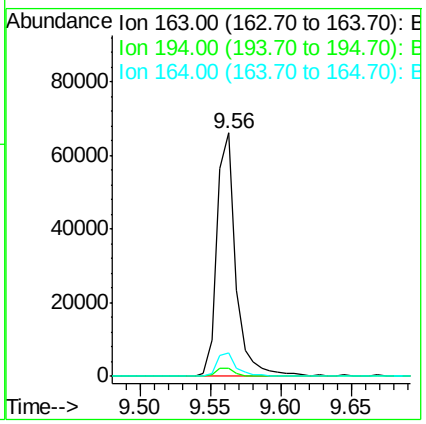


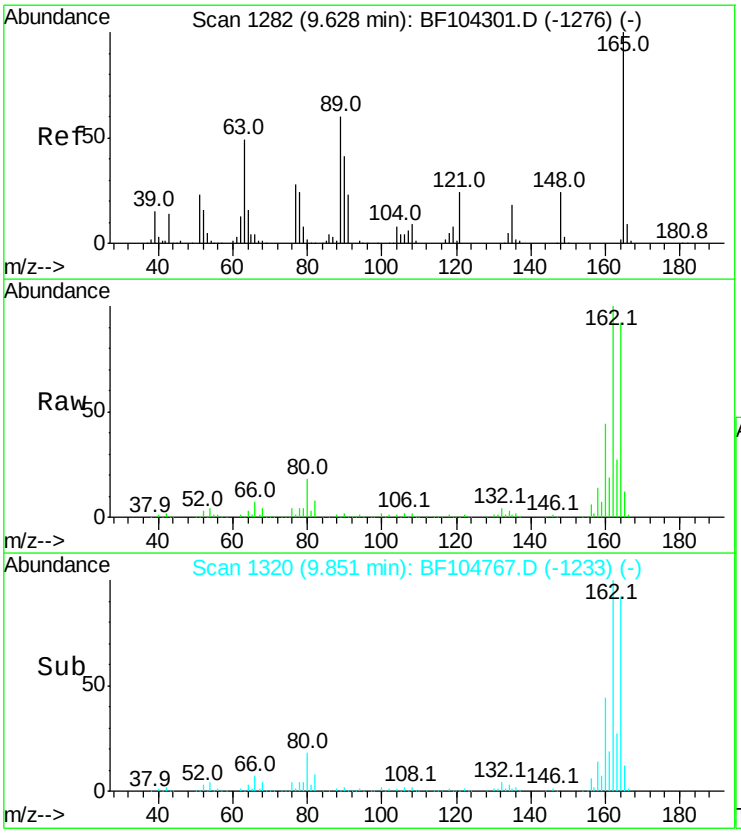
#49
Dimethylphthalate
Concen: 4.180 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 61892

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.7	4.1
164	9.4	8.2	12.2

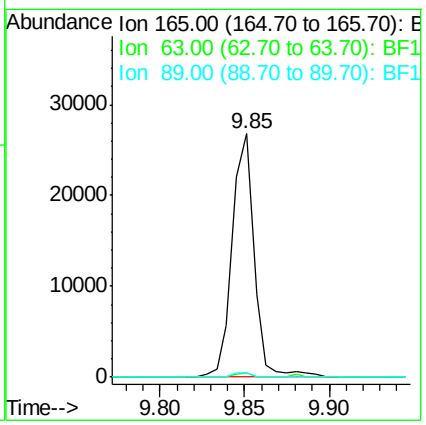


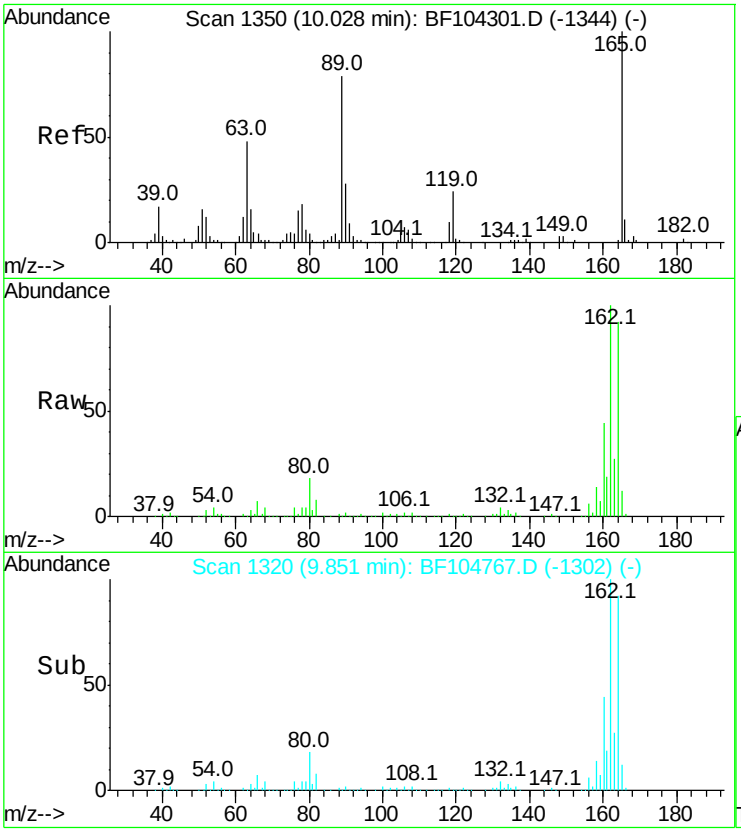


#50
2,6-Dinitrotoluene
Concen: 8.849 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:165 Resp: 24247

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.9	44.0	66.0#



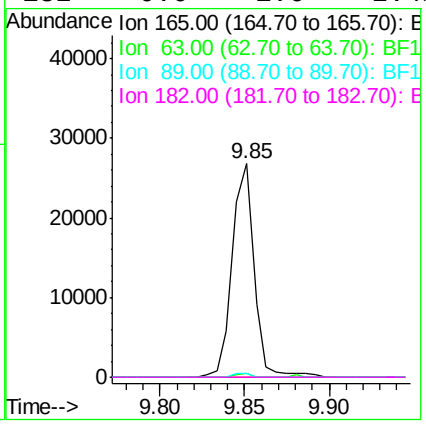


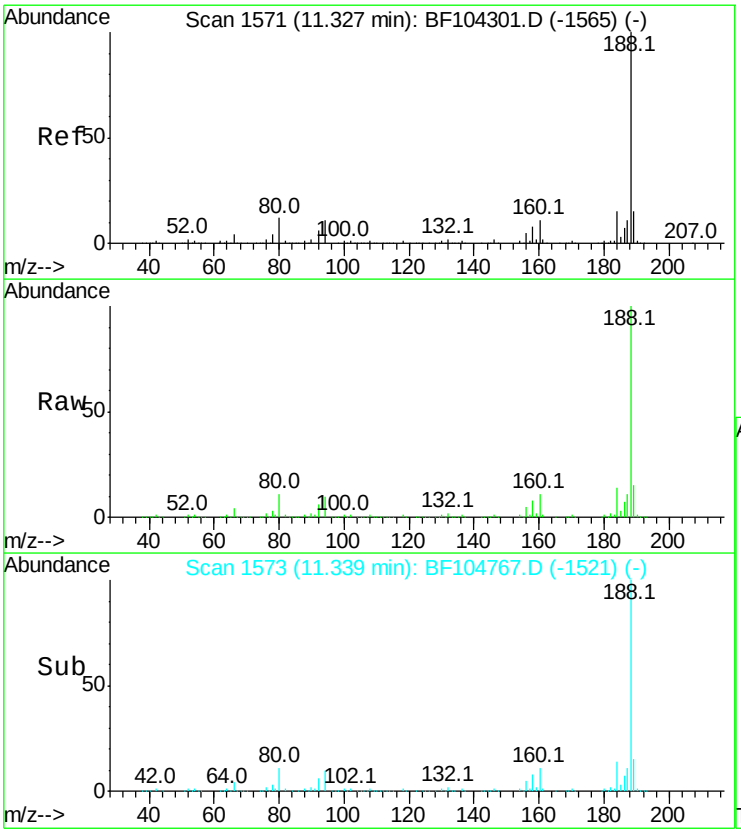
#56
2,4-Dinitrotoluene
Concen: 6.746 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.19 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 24247

Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.9	57.8	86.6#
182	0.0	1.6	2.4#

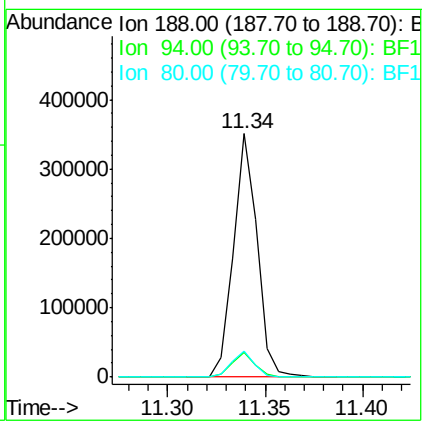


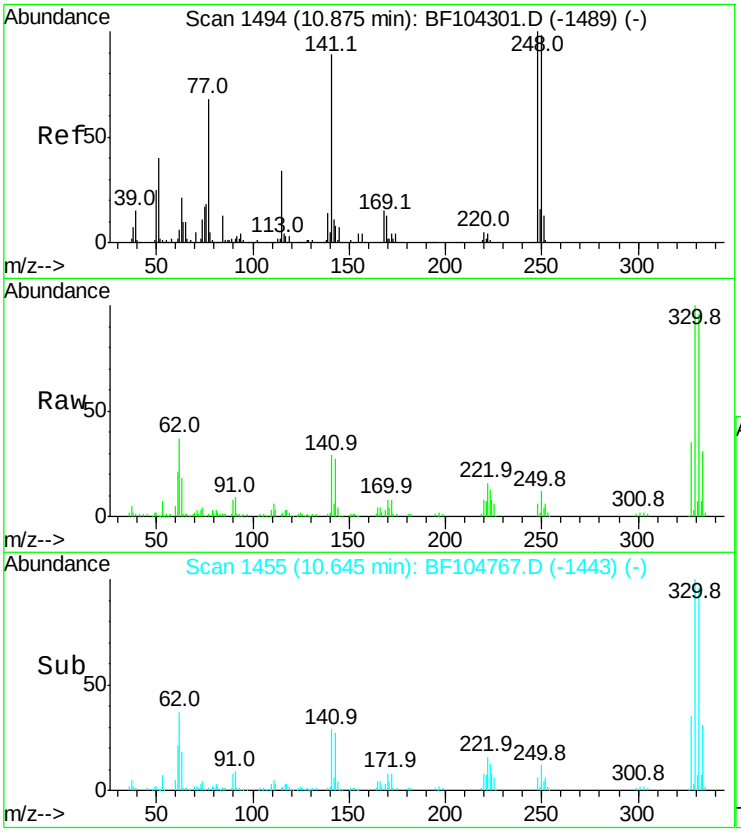


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:188 Resp: 295727

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.5	9.2	13.8



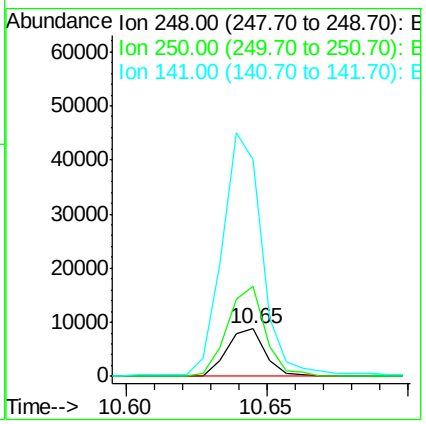


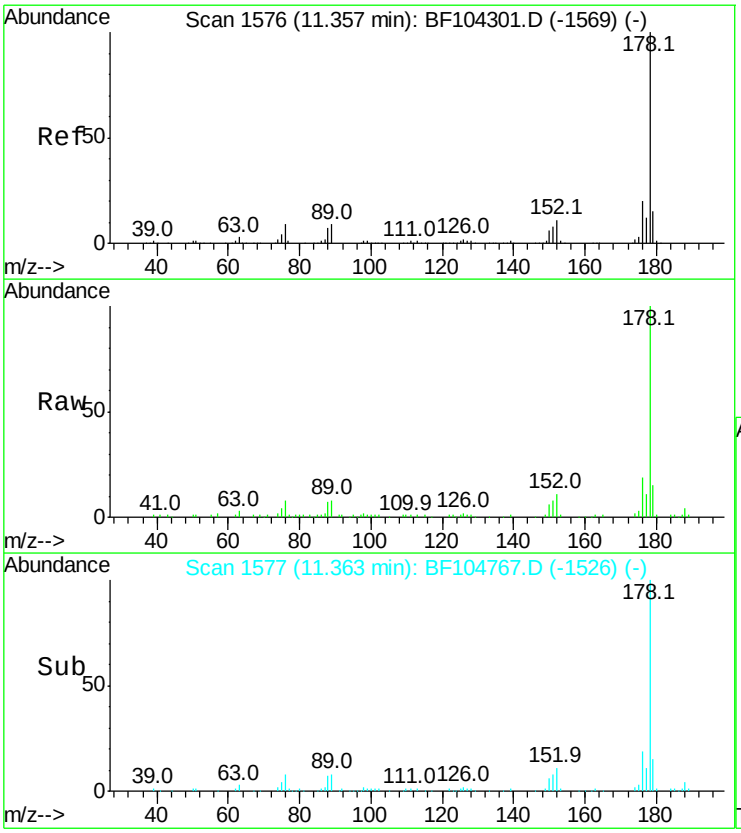
#66
4-Bromophenyl-phenylether
Concen: 2.609 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.23 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:248 Resp: 8207

Ion	Ratio	Lower	Upper
248	100		
250	188.2	76.9	115.3#
141	455.0	74.4	111.6#

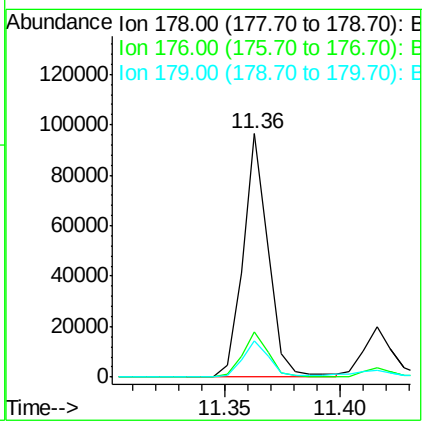


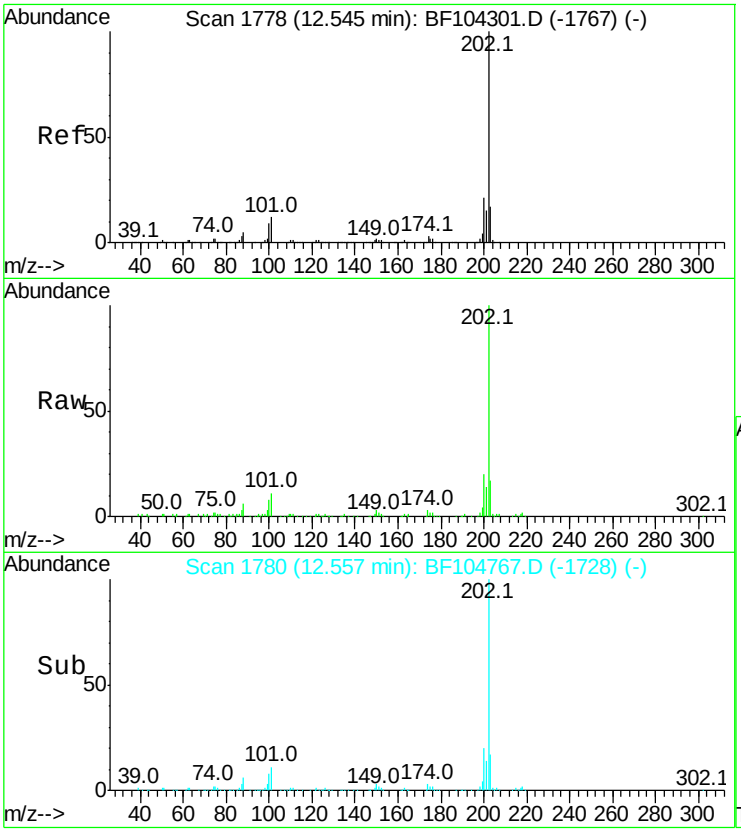


#70
Phenanthrene
Concen: 4.460 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:178 Resp: 73452

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.8	23.8
179	15.0	13.0	19.6



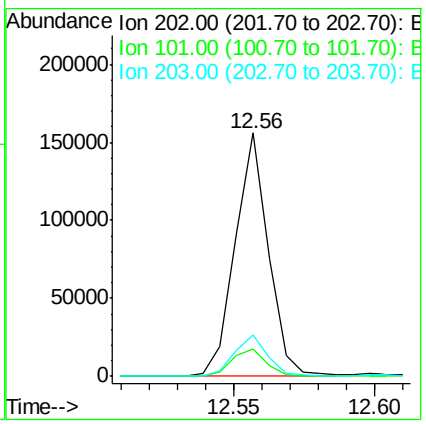


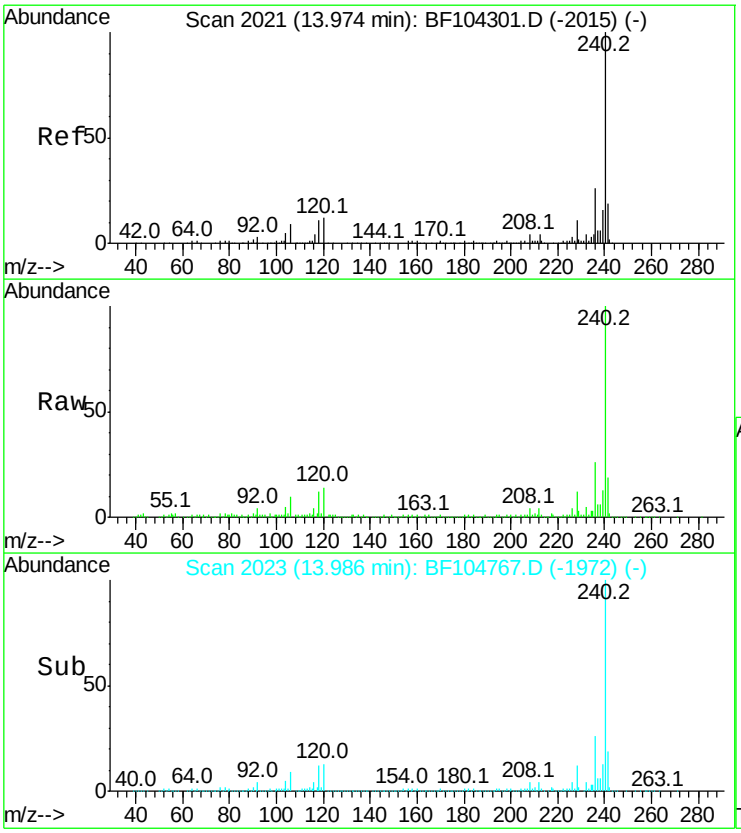
#74
Fluoranthene
Concen: 7.431 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 127857

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	16.9	0.0	38.1

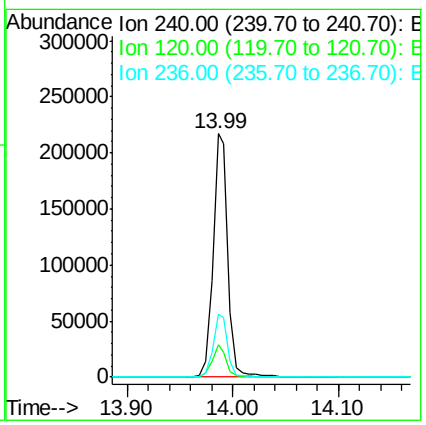


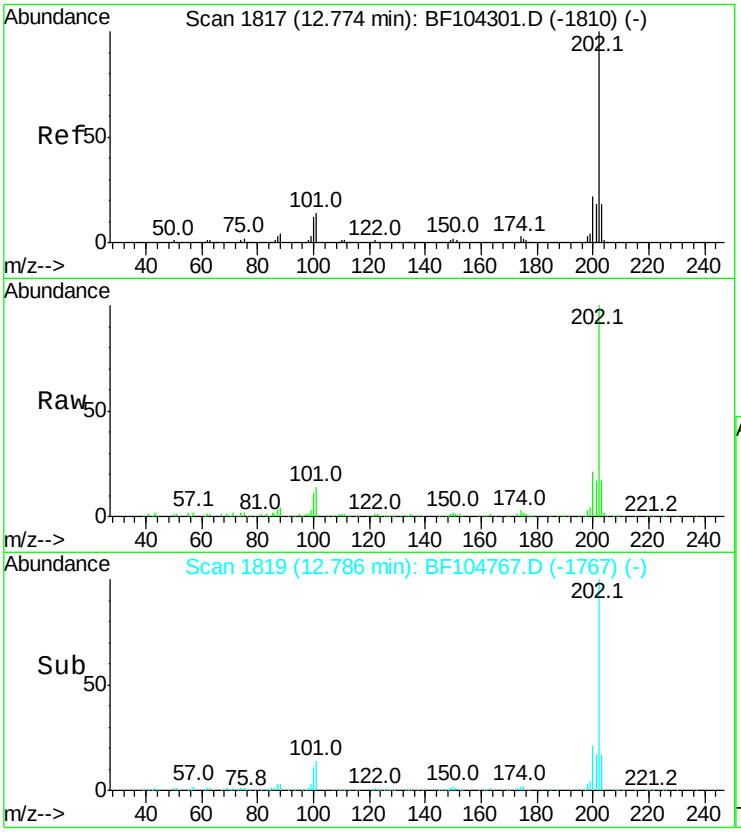


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:240 Resp: 215747

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	25.9	20.7	31.1



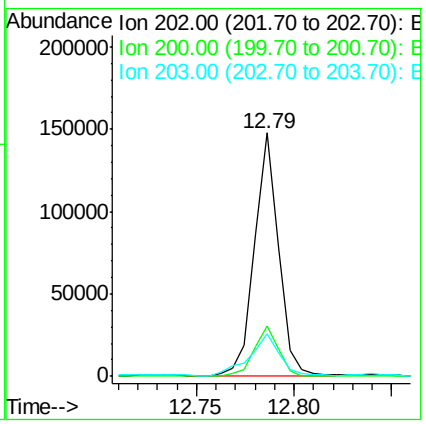


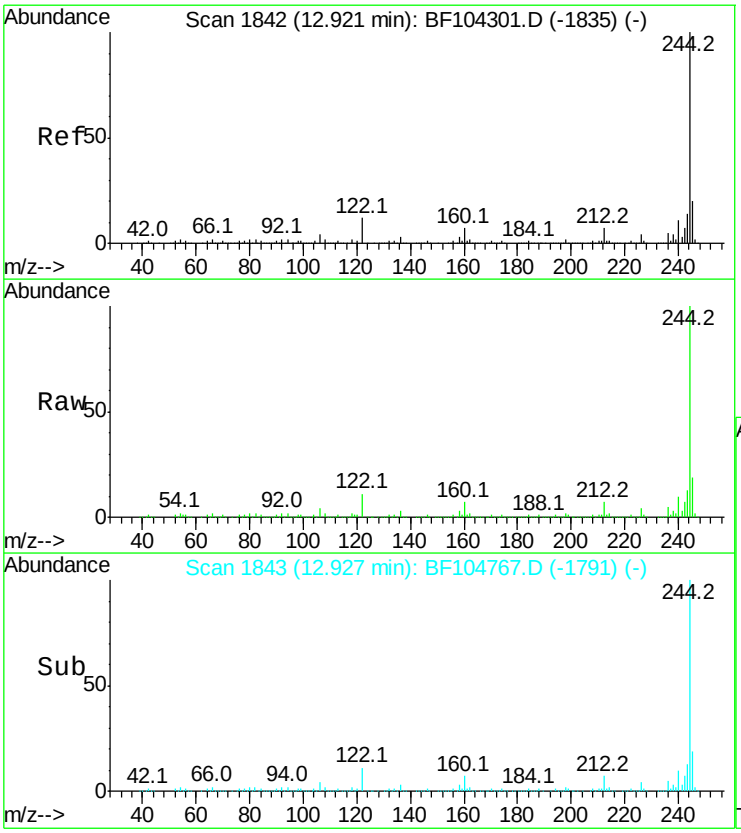
#77
Pyrene
Concen: 7.900 ng
RT: 12.79 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 126344

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.4	14.3	21.5

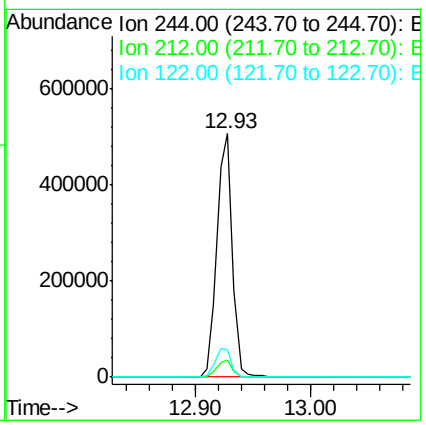


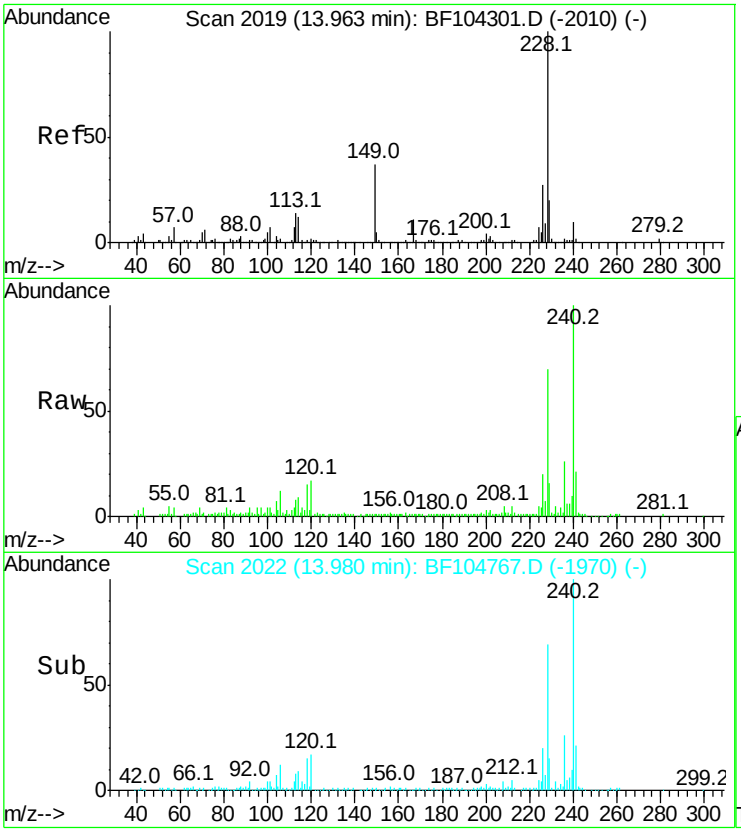


#78
Terphenyl-d14
Concen: 49.663 ng
RT: 12.93 min Scan# 1843
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:244 Resp: 469974

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.4	11.0	16.4



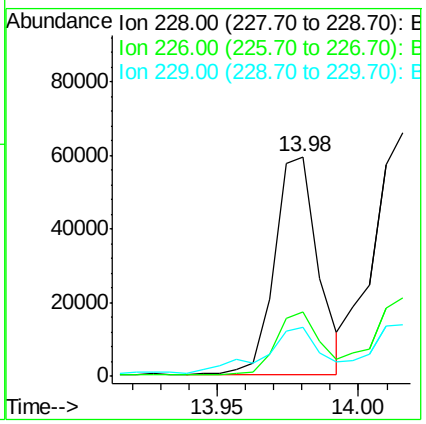


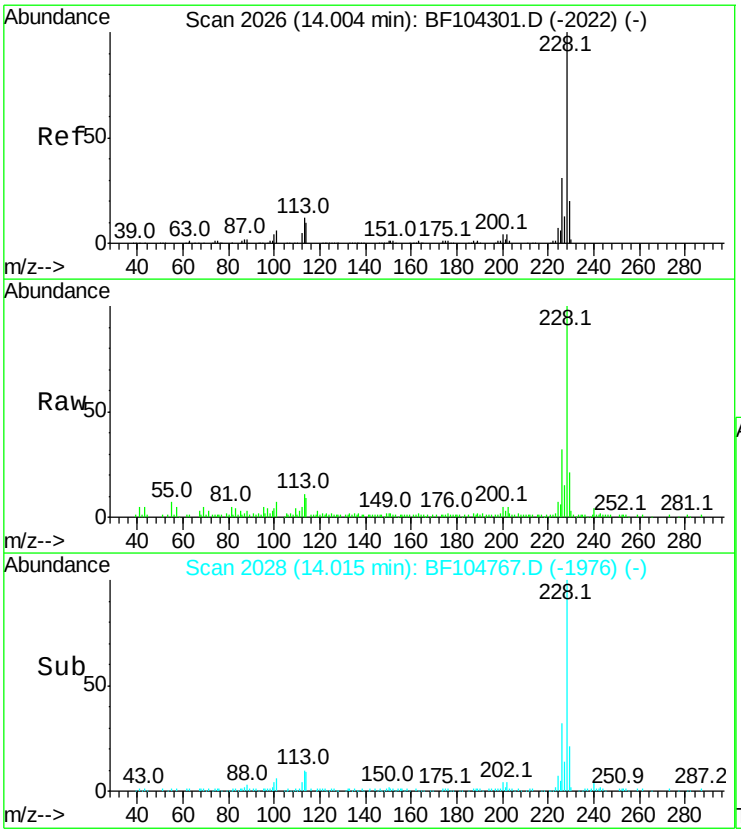
#80
Benzo(a)anthracene
Concen: 4.902 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 63185

Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	22.4	15.8	23.6

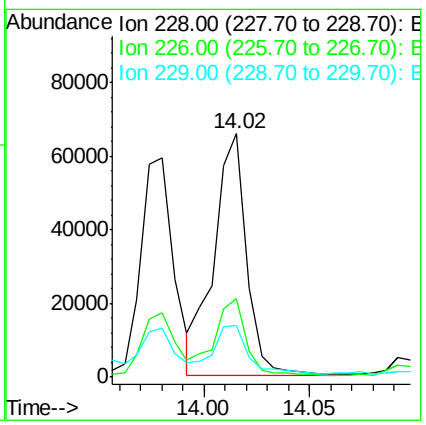


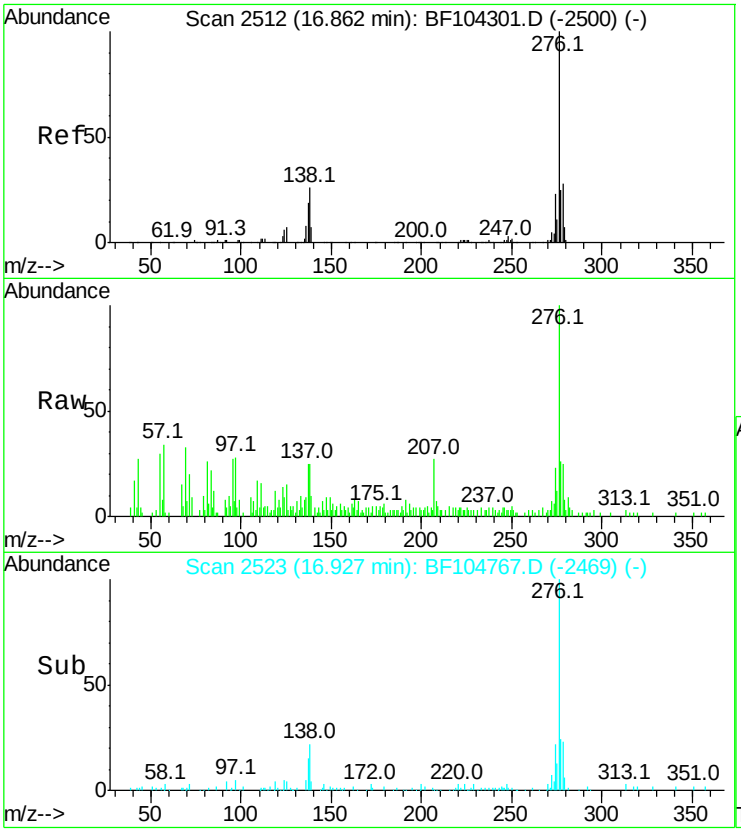


#82
Chrysene
Concen: 5.320 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:228 Resp: 70433

Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.0	37.6
229	21.4	16.2	24.4



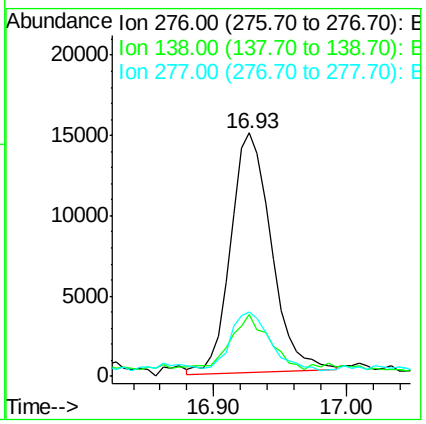


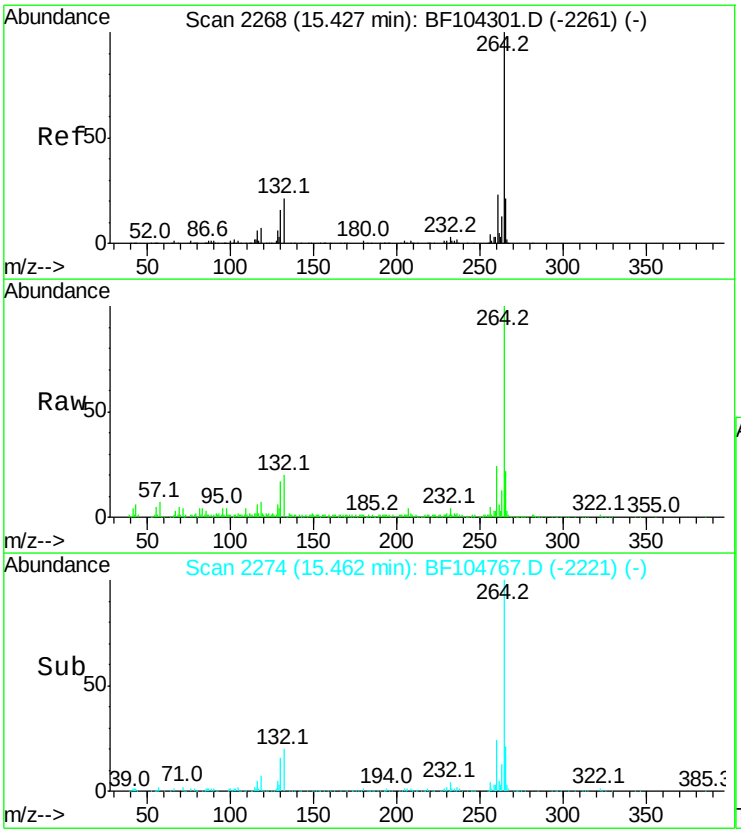
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.801 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.02 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 31496

Ion	Ratio	Lower	Upper
276	100		
138	22.4	25.0	37.6#
277	24.4	20.1	30.1

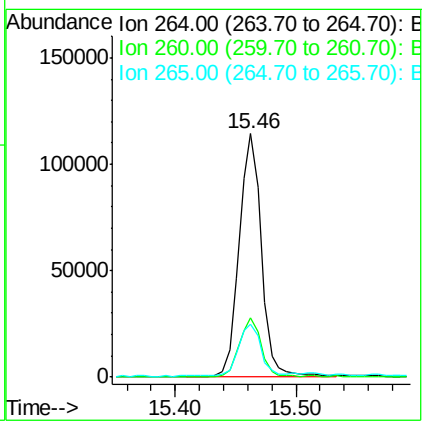


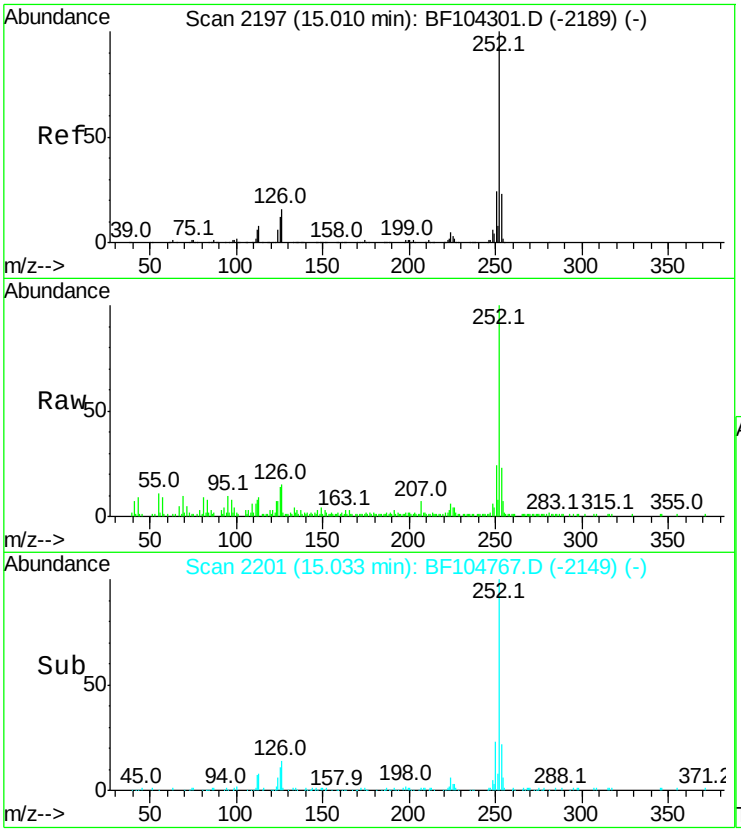


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:264 Resp: 147871

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.5	26.3



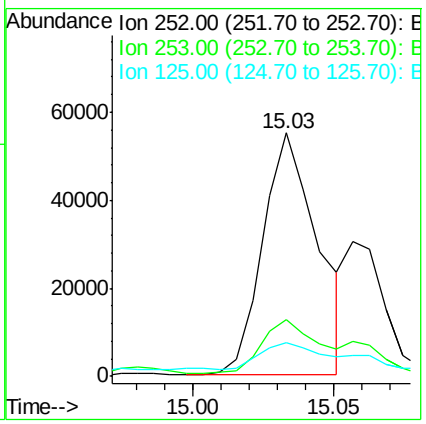


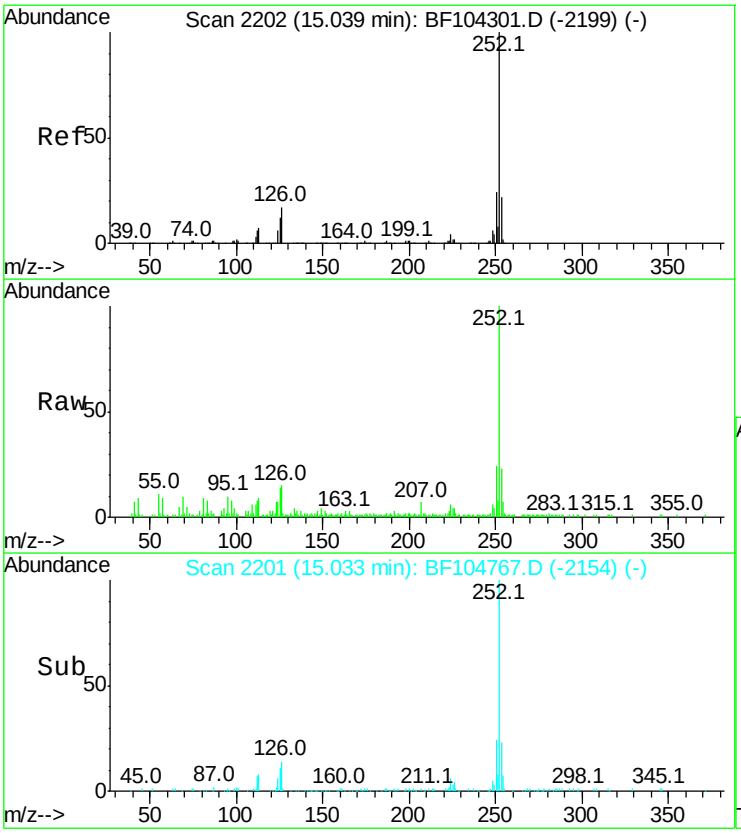
#87
Benzo(b)fluoranthene
Concen: 7.938 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 74135

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.9	9.0	13.6#

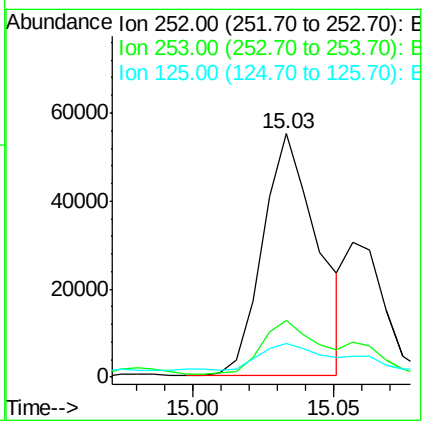


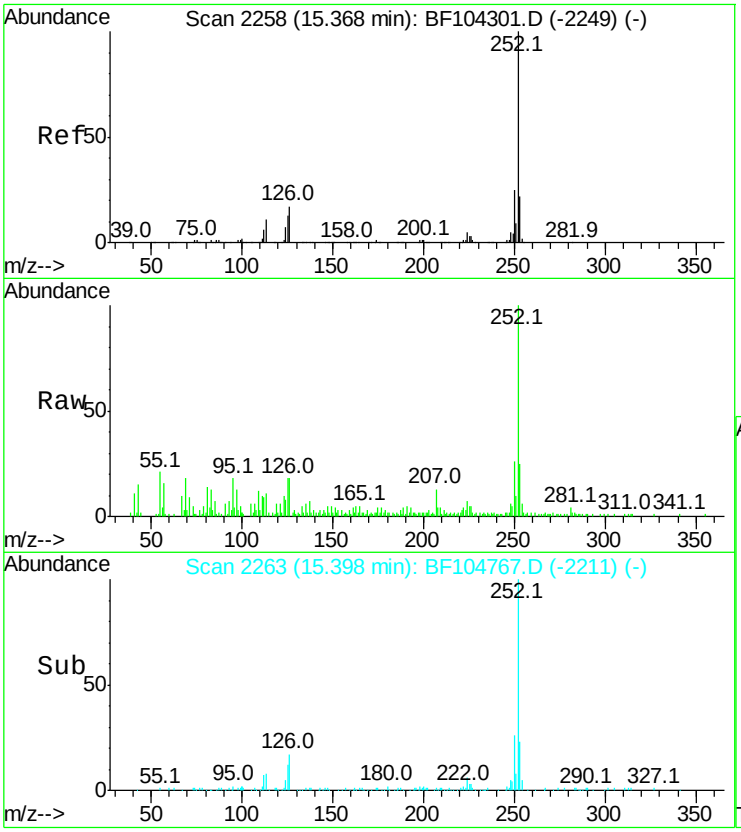


#88
Benzo(k)fluoranthene
Concen: 8.408 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.02 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:252 Resp: 74135

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.9	10.2	15.2



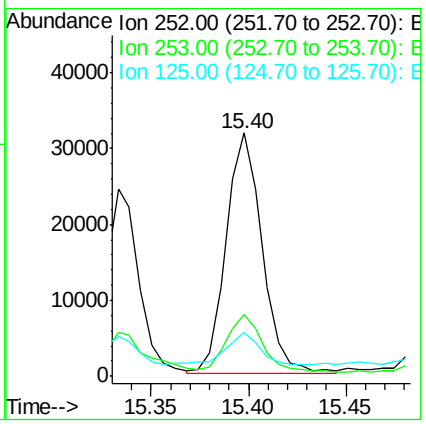


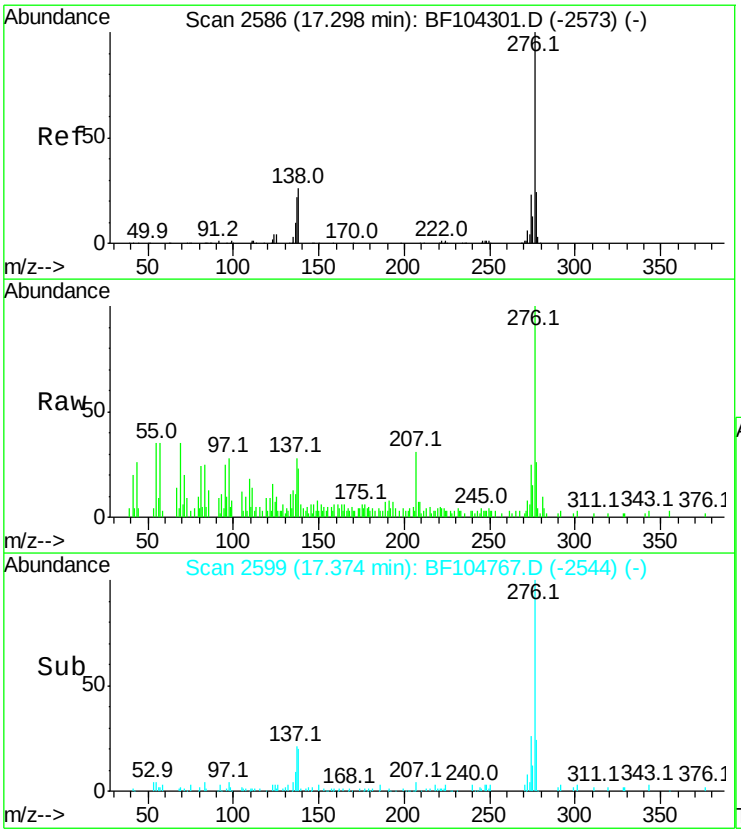
#89
Benzo(a)pyrene
Concen: 4.872 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 40714

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	17.8	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 4.989 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.02 min
Lab File: BF104767.D
Acq: 24 Apr 2018 20:07

Tgt Ion:276 Resp: 33175

Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	23.5	21.8	32.8