Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104214.D
Acq On : 4 Apr 2018 8:27
Operator : JU/SJ
Sample : J2176-03DL 2X
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 04 10:46:42 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 03 15:22:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	114499	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	516545	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	243616	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	424614	20.00	ng	0.00
75) Chrysene-d12	14.15	240	251060	20.00	ng	0.00
86) Perylene-d12	15.69	264	247006	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	236719	32.97	ng	0.00
7) Phenol-d6	6.59	99	380845	43.11	ng	-0.01
23) Nitrobenzene-d5	7.53	82	238122	28.19	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	90390	33.32	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	472489	30.58	ng	0.00
78) Terphenyl-d14	13.07	244	386100	35.51	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	26069	4.973	ng	# 77
25) Isophorone	7.53	82	238841	15.344	ng	# 64
31) Naphthalene	8.26	128	59212	2.346	ng	99
48) Acenaphthylene	9.86	152	52523	2.102	ng	98
49) Dimethylphthalate	9.70	163	40558	2.109	ng	99
50) 2,6-Dinitrotoluene	10.00	165	29796	7.200	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	29909	5.664	ng	# 24
70) Phenanthrene	11.52	178	253377	11.022	ng	98
71) Anthracene	11.57	178	146402	6.097	ng	99
74) Fluoranthene	12.72	202	1239376	50.719	ng	99
77) Pyrene	12.95	202	1019574	56.493	ng	99
80) Benzo(a)anthracene	14.14	228	558051	35.524	ng	97
82) Chrysene	14.17	228	419665	27.275	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	225359	14.134	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	727881	48.420	ng	96
88) Benzo(k)fluoranthene	15.23	252	727881	51.401	ng	99
89) Benzo(a)pyrene	15.63	252	412940	29.643	ng	96
90) Dibenzo(a,h)anthracene	17.47	278	49587	3.850	ng	93
91) Benzo(g,h,i)perylene	17.76	276	189132	14.661	ng	94

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

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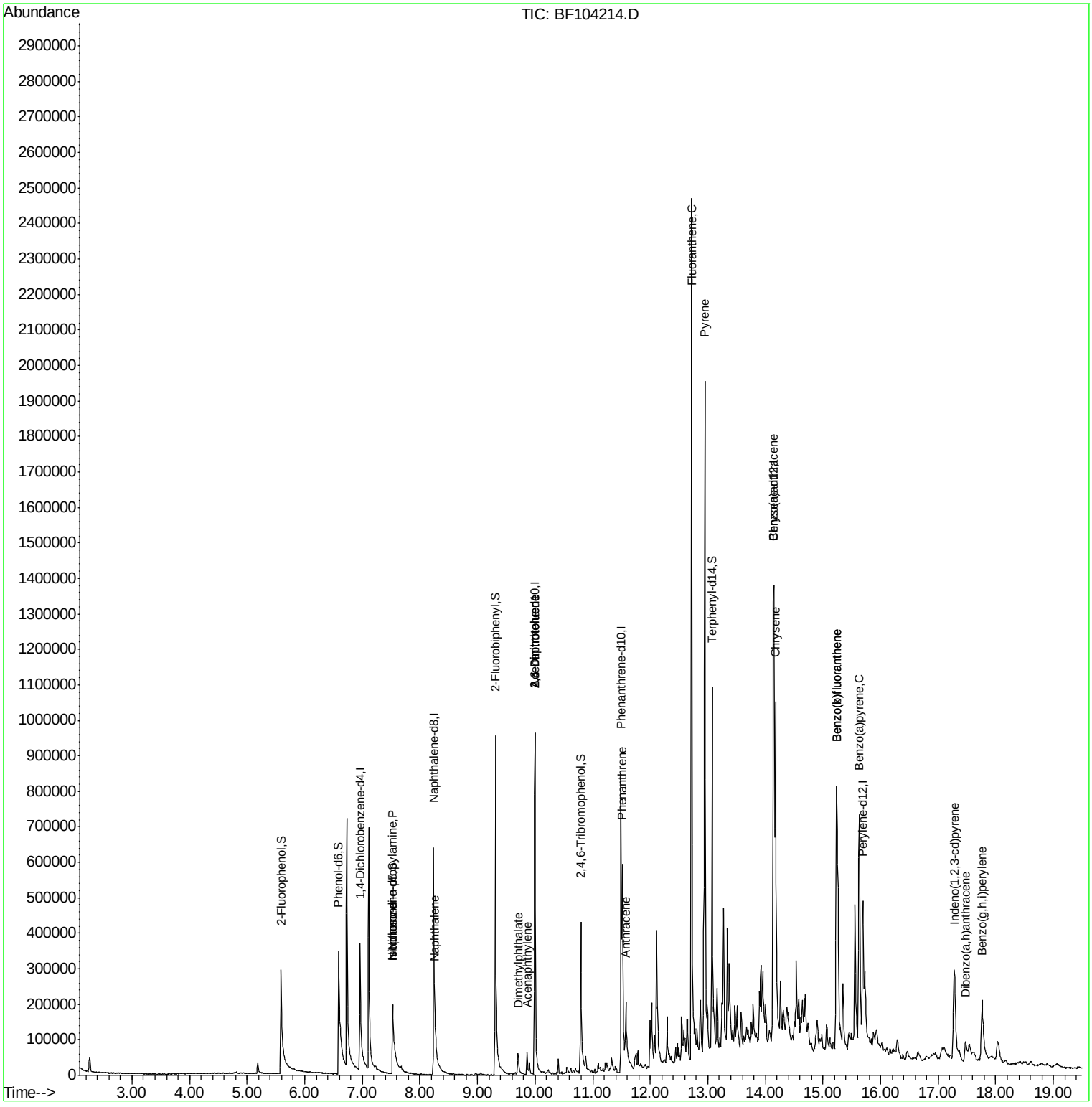
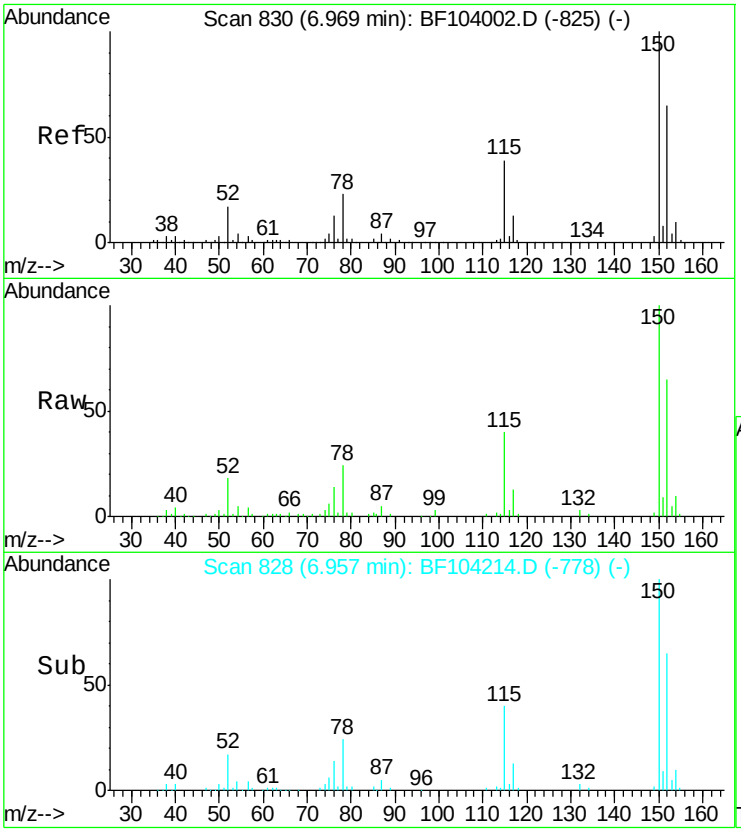
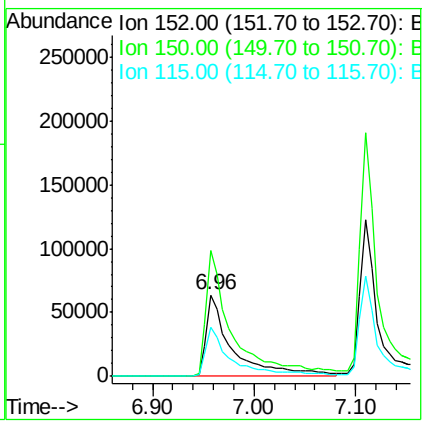




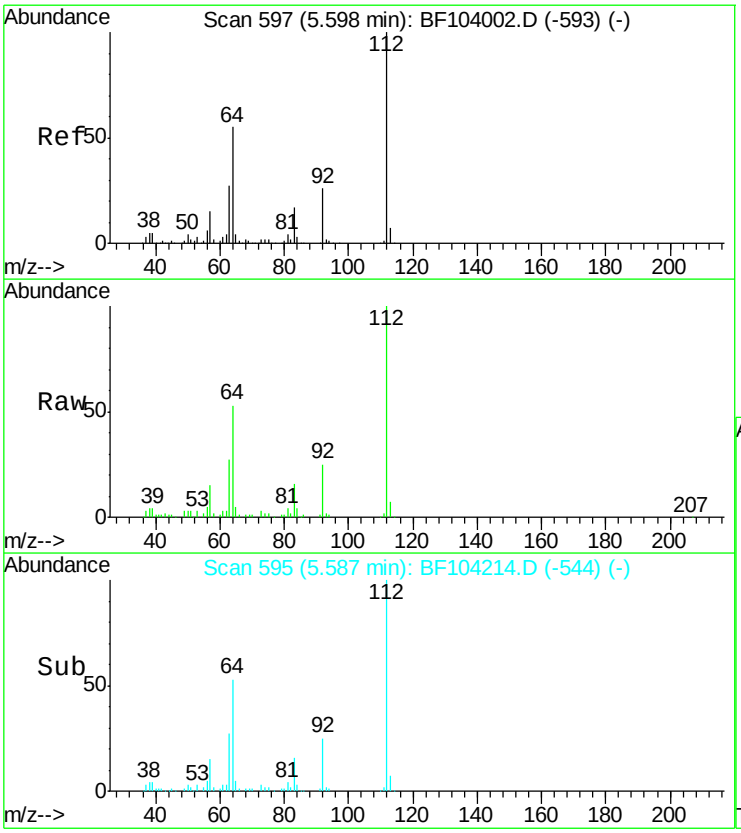
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:152 Resp: 114499

Ion	Ratio	Lower	Upper
152	100		
150	154.5	124.6	186.8
115	61.2	50.1	75.1



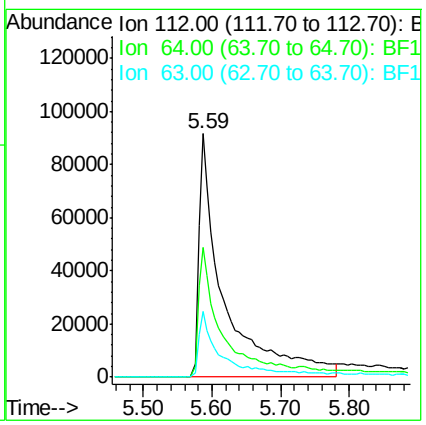
Instrument :
BNA_F
ClientSampleId :

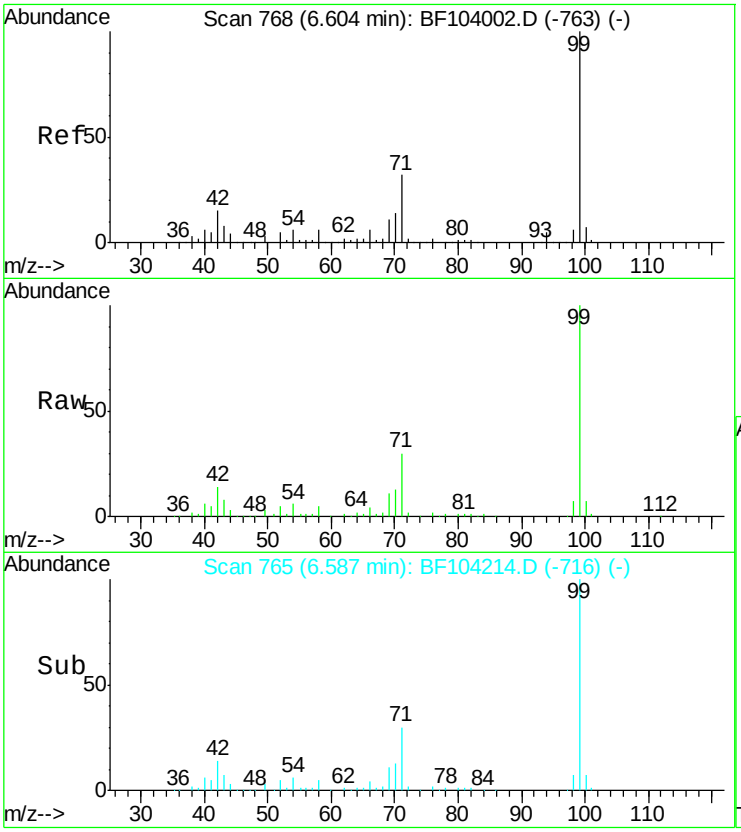


#5
2-Fluorophenol
Concen: 32.970 ng
RT: 5.59 min Scan# 595
Delta R.T. 0.00 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:112 Resp: 236719

Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.9	23.7	35.5



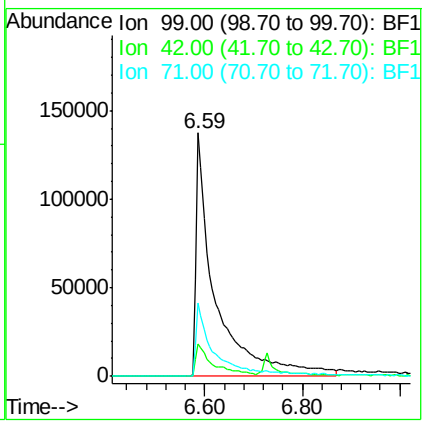


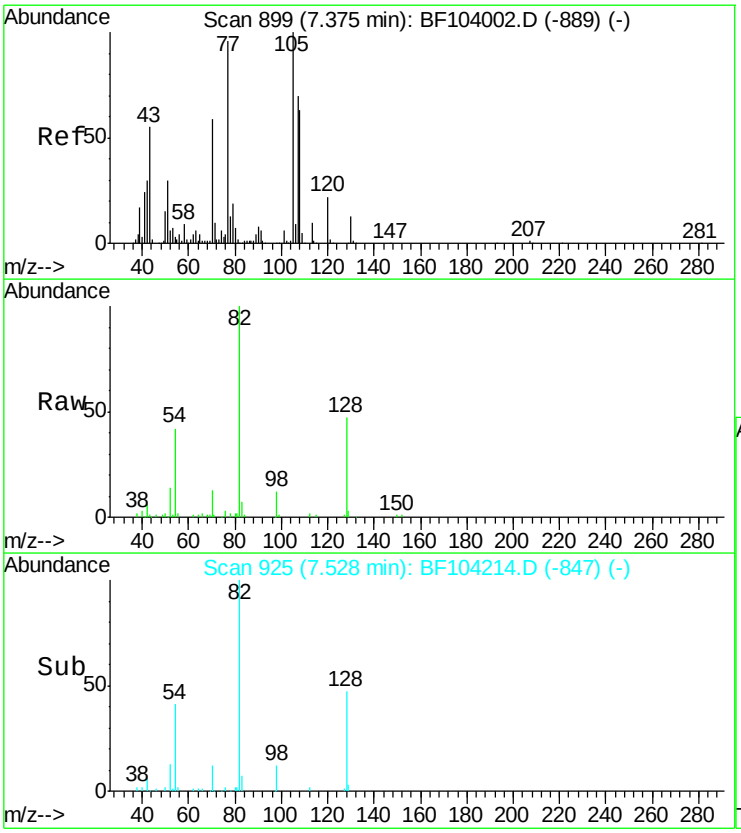
#7
Phenol-d6
Concen: 43.115 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 380845

Ion	Ratio	Lower	Upper
99	100		
42	13.6	14.5	21.7#
71	30.4	25.4	38.0

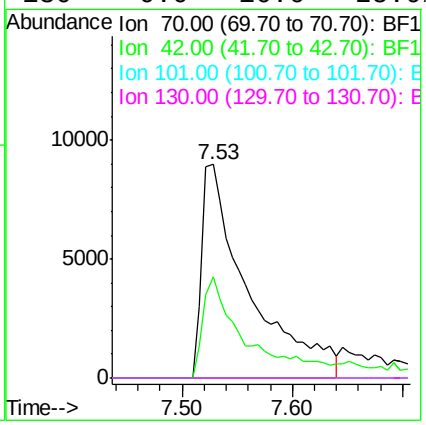


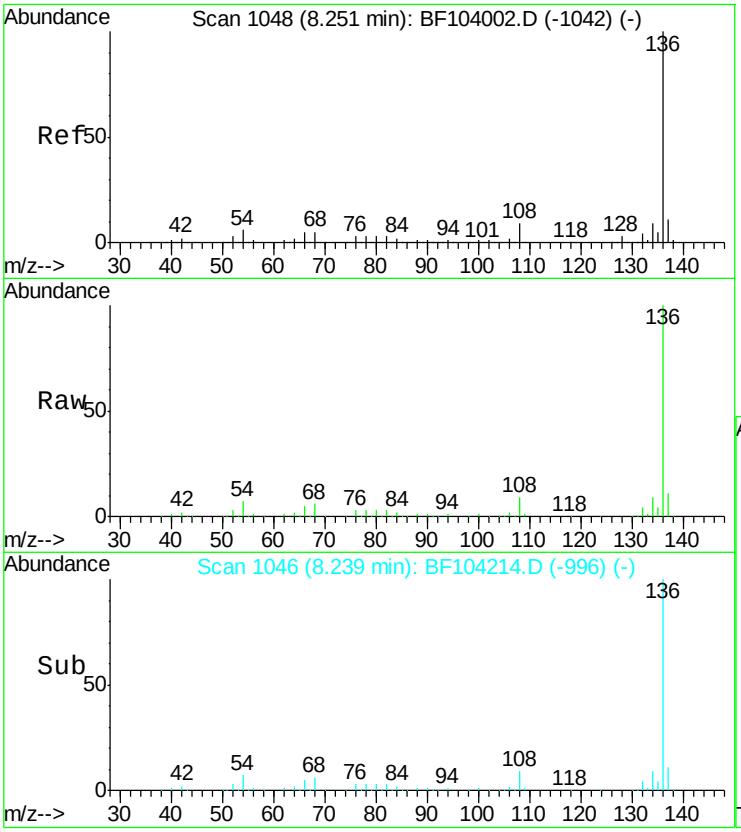


#19
n-Nitroso-di-n-propylamine
Concen: 4.973 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.16 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion: 70 Resp: 26069

Ion	Ratio	Lower	Upper
70	100		
42	47.6	47.5	71.3
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



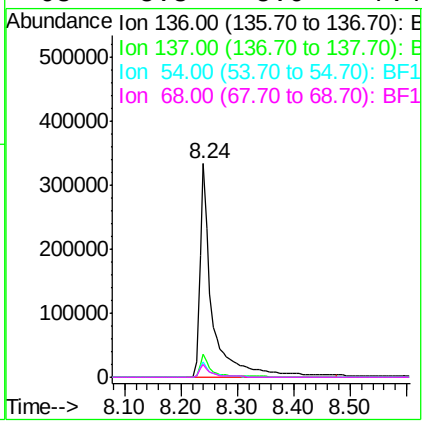


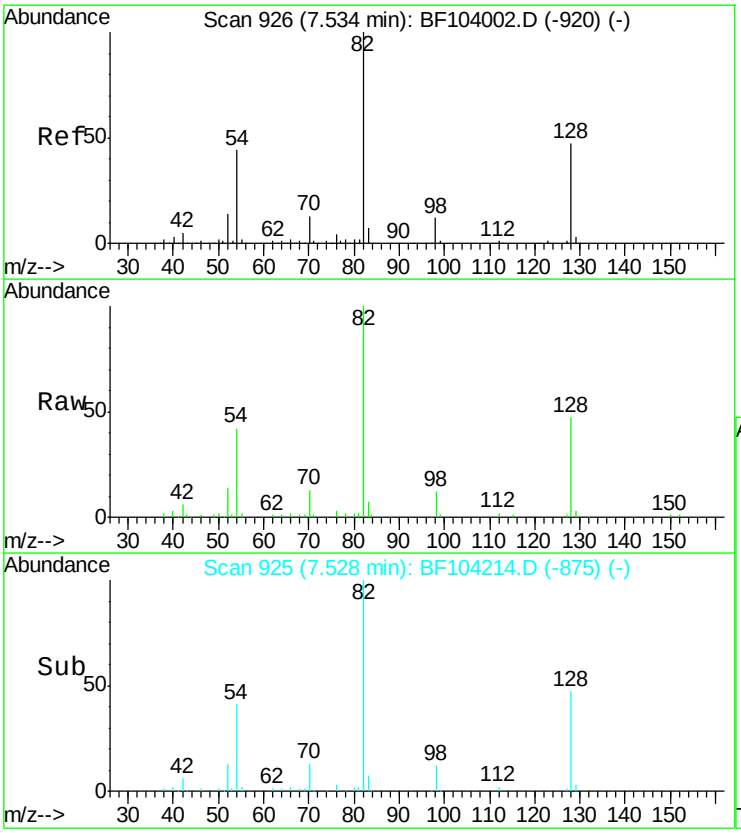
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:136 Resp: 516545

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.0	6.6	9.8
68	5.8	5.0	7.4

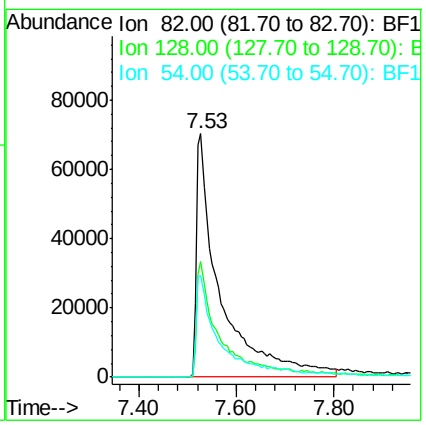


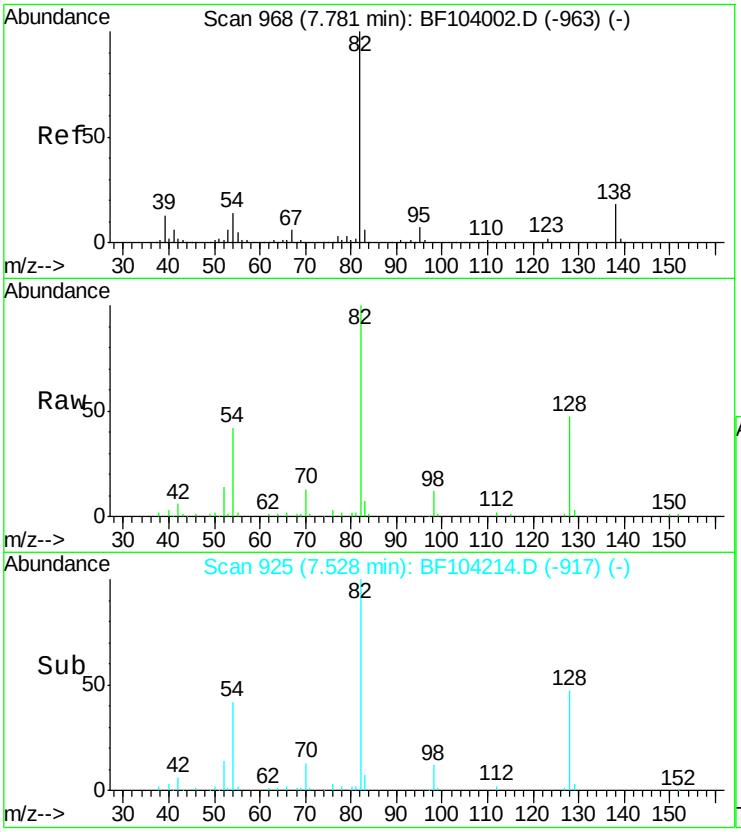


#23
Nitrobenzene-d5
Concen: 28.192 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion: 82 Resp: 238122

Ion	Ratio	Lower	Upper
82	100		
128	47.2	36.1	54.1
54	41.6	41.4	62.2



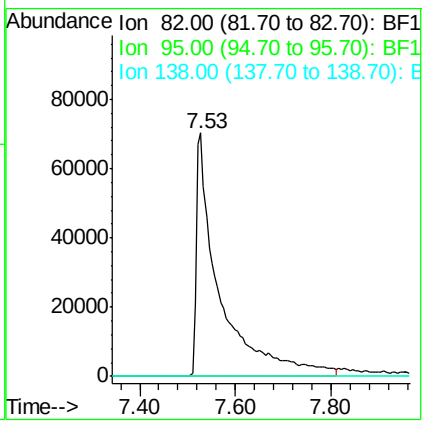


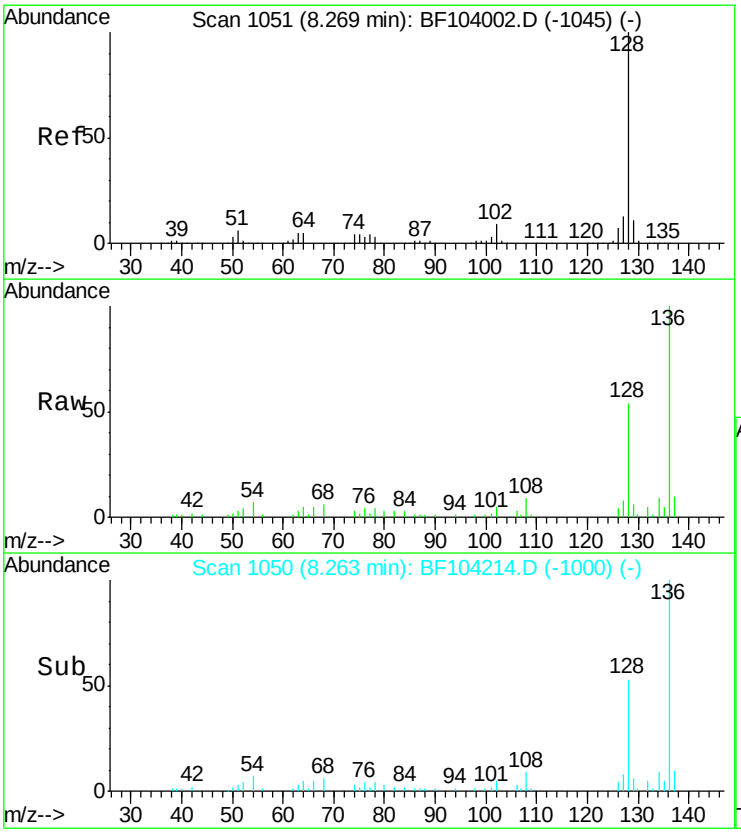
#25
Isophorone
Concen: 15.344 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.25 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 238841

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

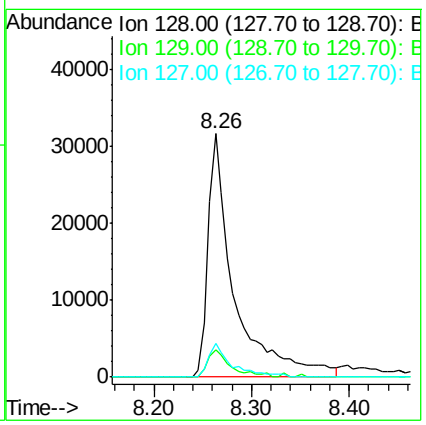


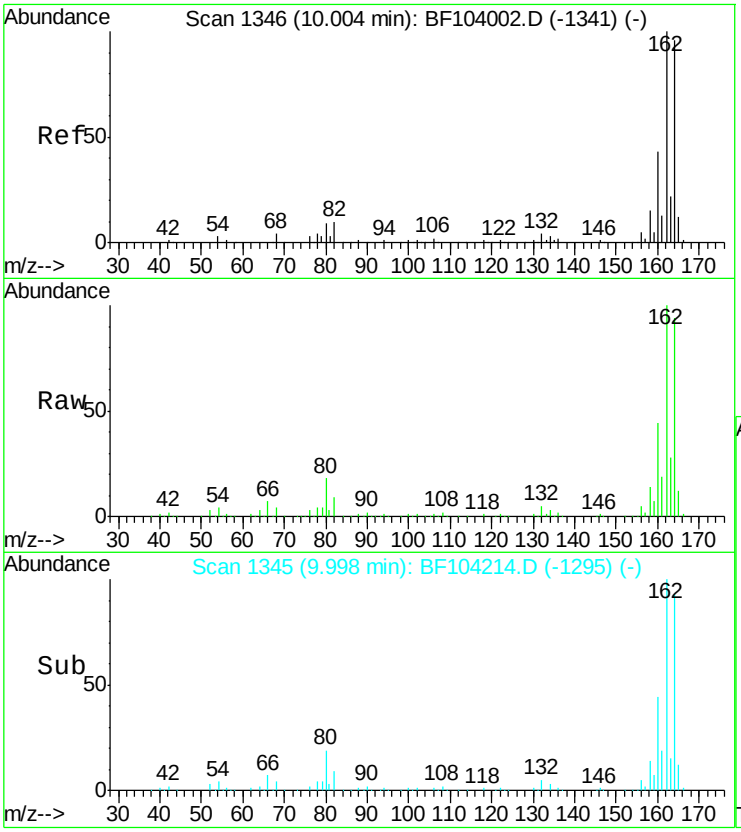


#31
Naphthalene
Concen: 2.346 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:128 Resp: 59212

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.0	10.9	16.3



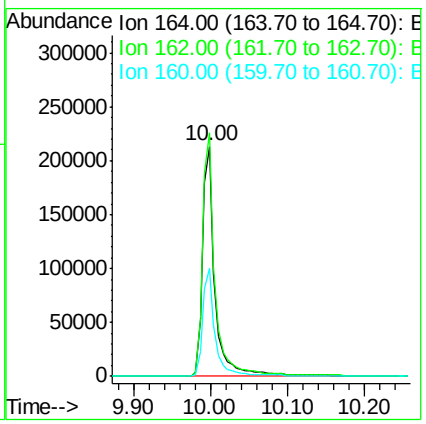


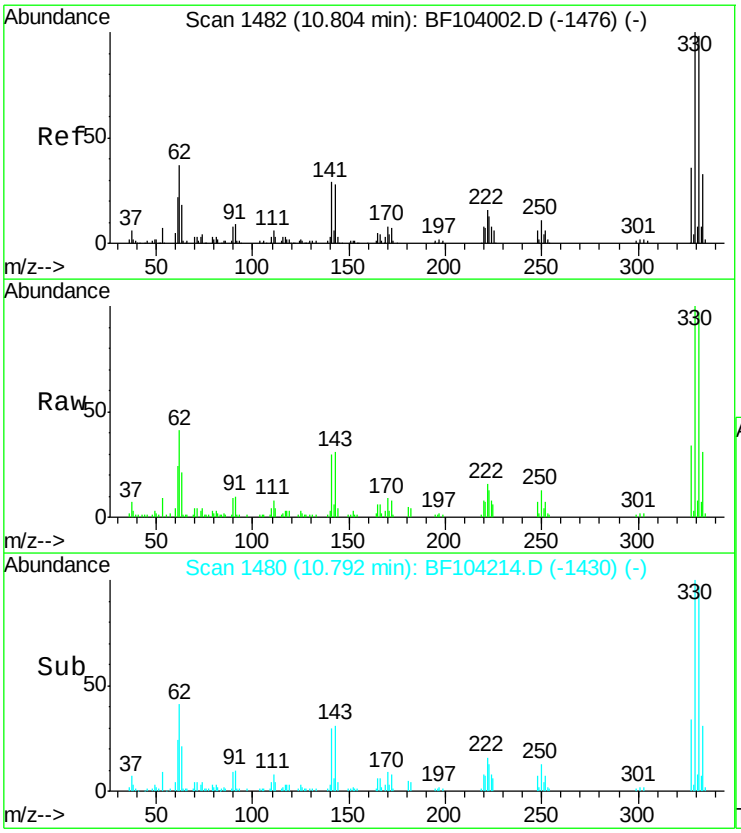
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 243616

Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	46.8	38.3	57.5

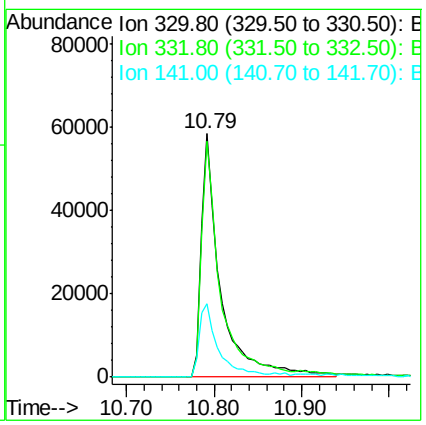


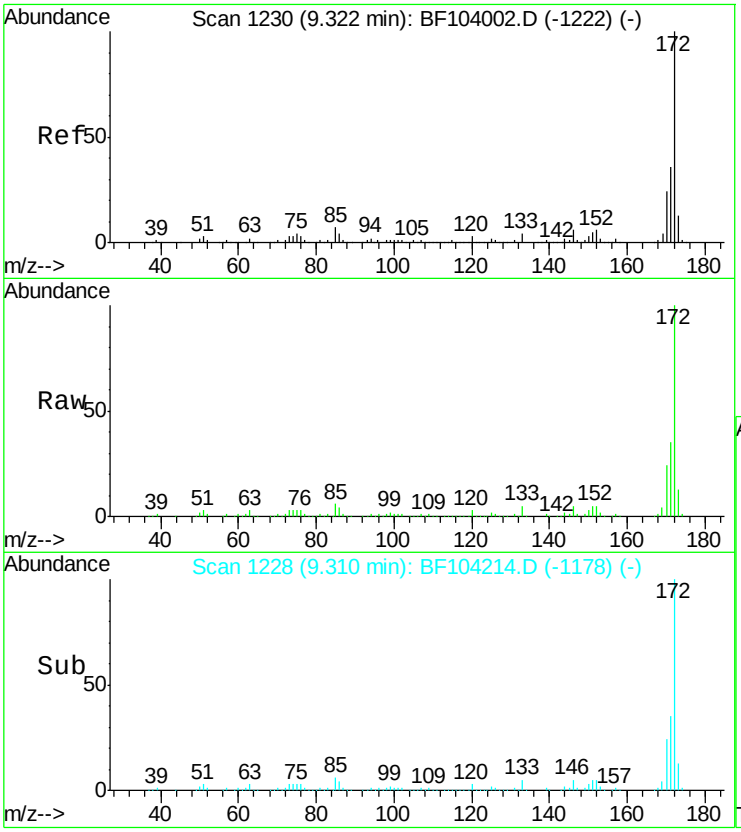


#41
2,4,6-Tribromophenol
Concen: 33.321 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:330 Resp: 90390

Ion	Ratio	Lower	Upper
330	100		
332	93.1	77.0	115.6
141	29.7	29.9	44.9#



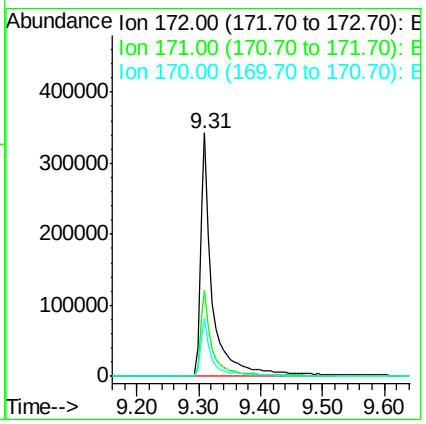


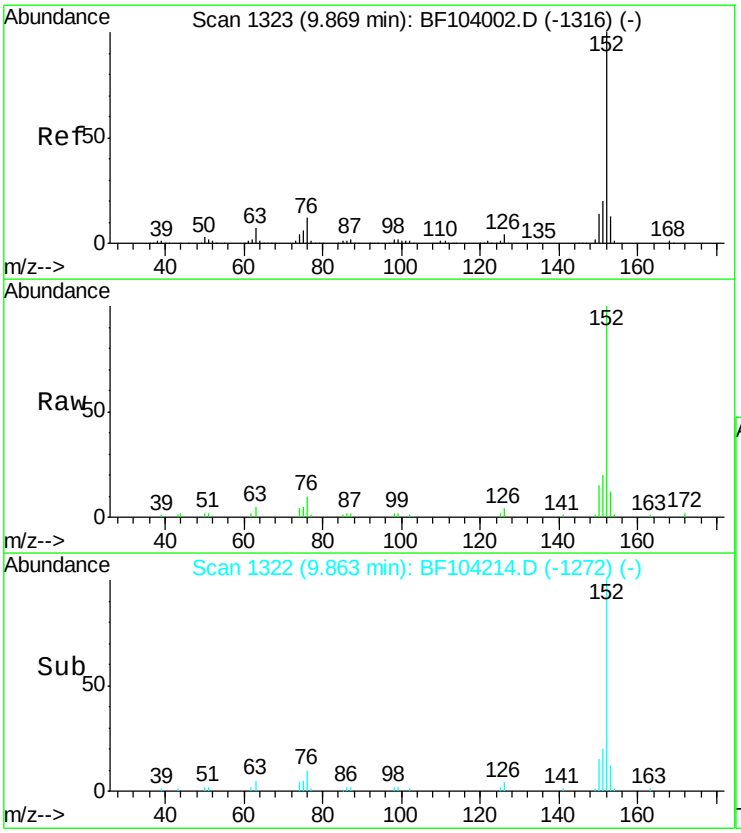
#44
2-Fluorobiphenyl
Concen: 30.584 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 472489

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4

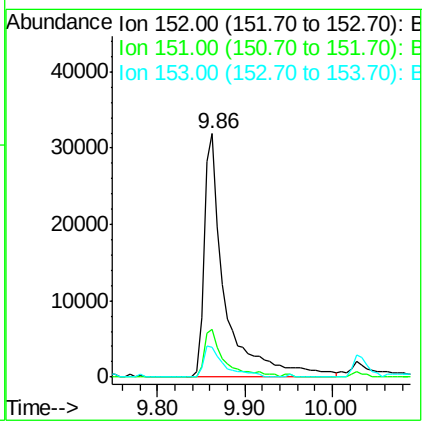


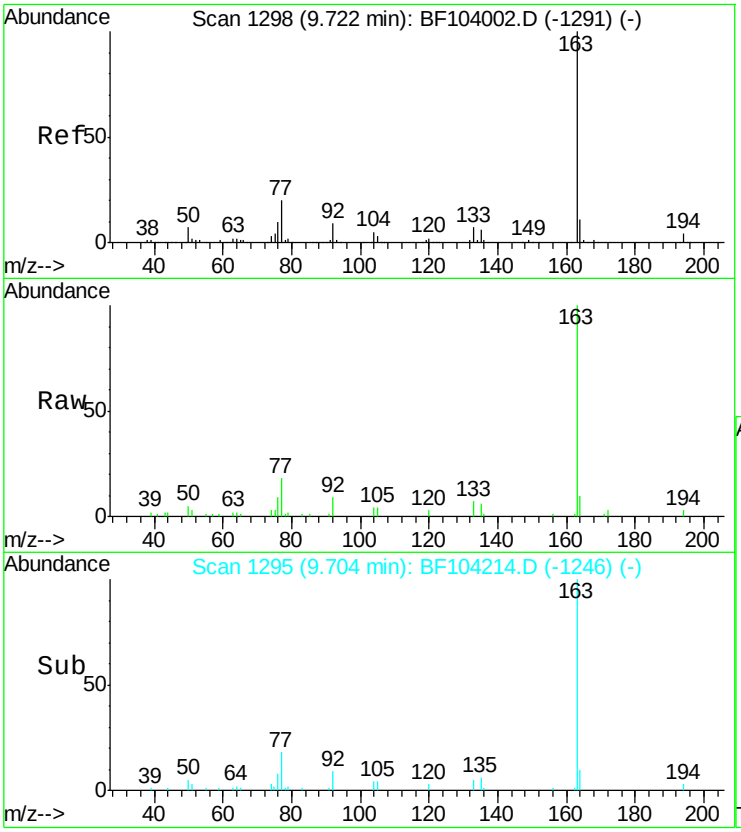


#48
Acenaphthylene
Concen: 2.102 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:152 Resp: 52523

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	12.4	10.7	16.1



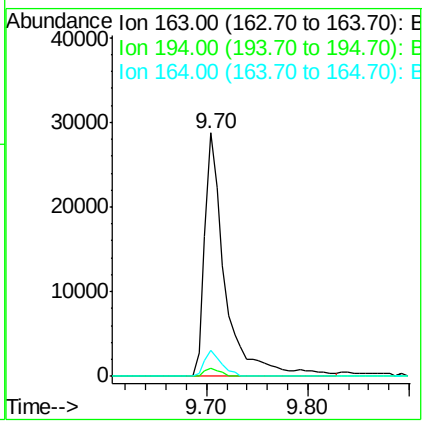


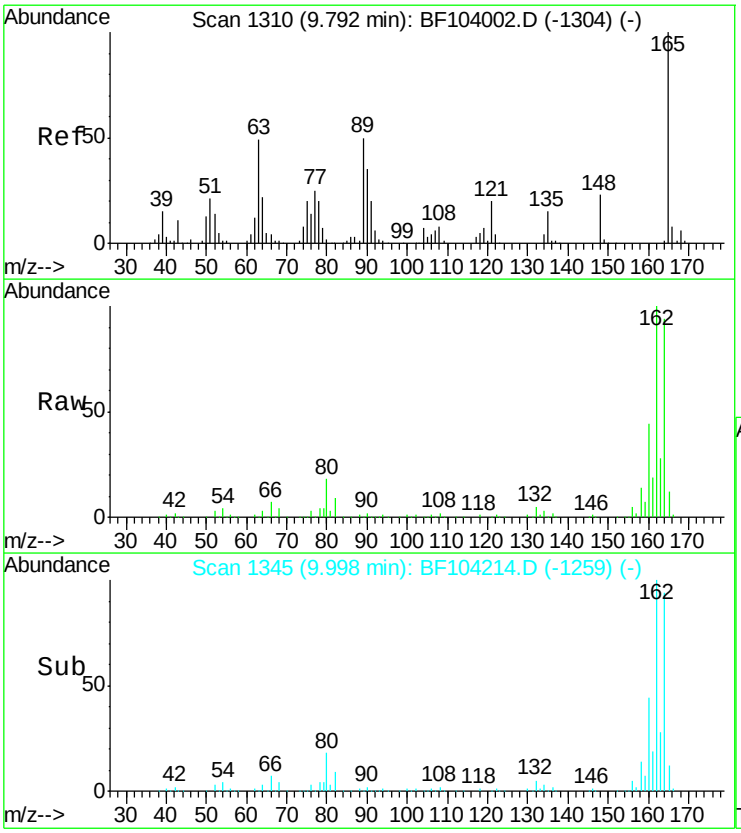
#49
Dimethylphthalate
Concen: 2.109 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 40558

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.5	8.2	12.2

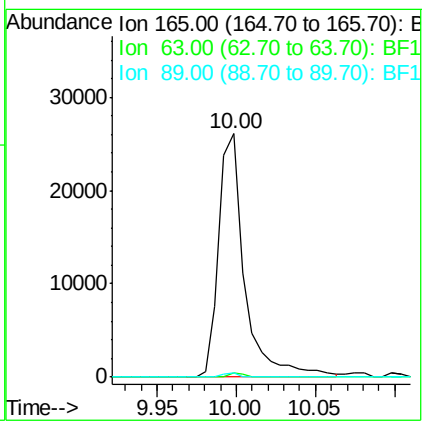


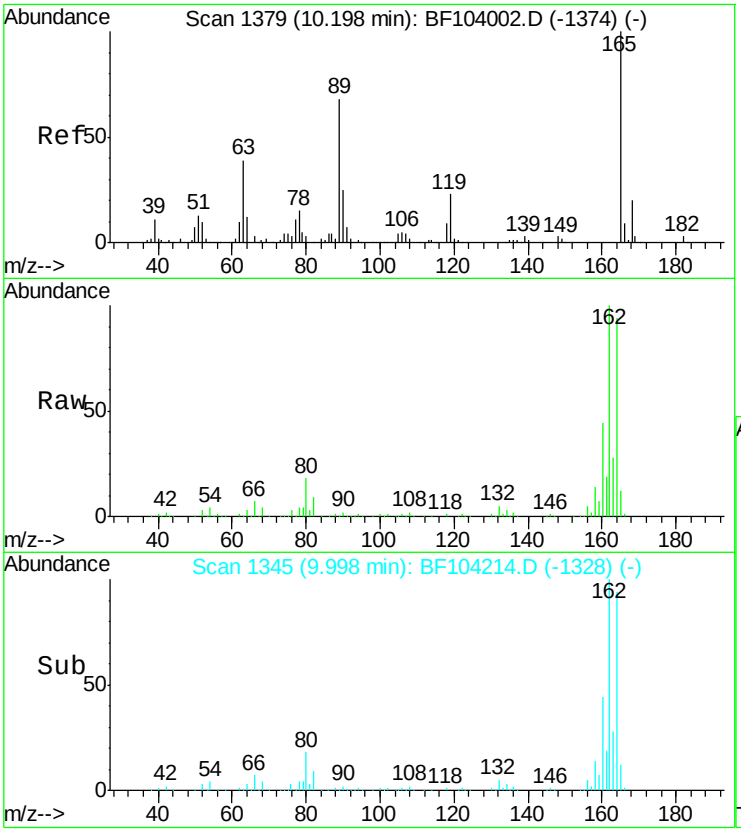


#50
2,6-Dinitrotoluene
Concen: 7.200 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.21 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:165 Resp: 29796

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



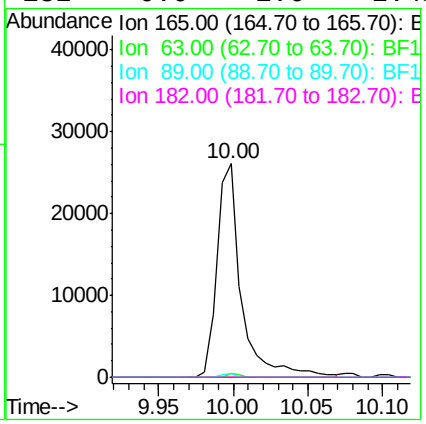


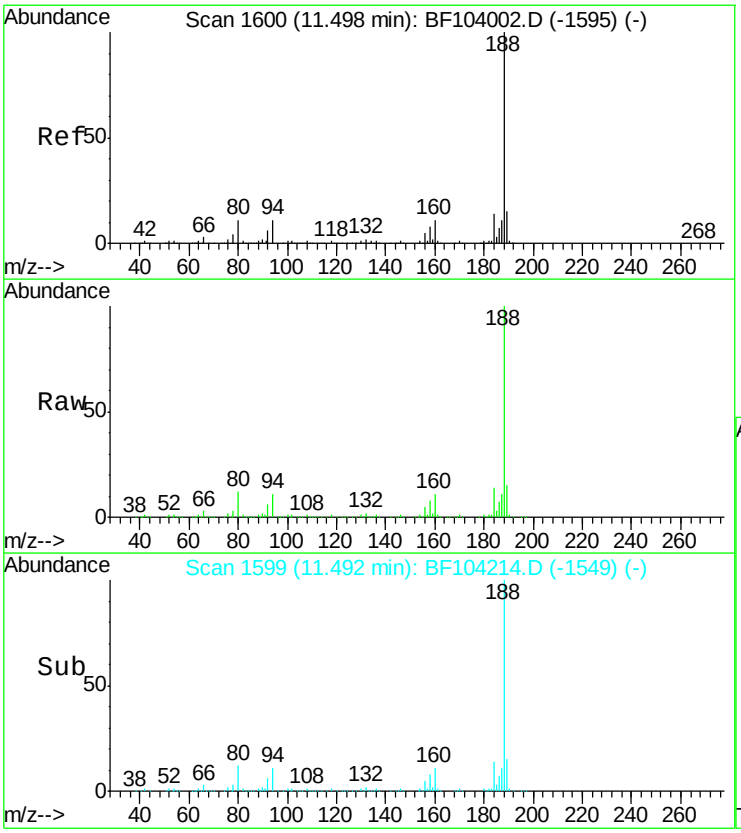
#56
2,4-Dinitrotoluene
Concen: 5.664 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.20 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 29909

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#

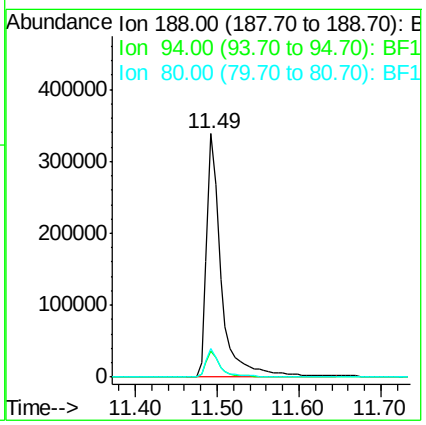


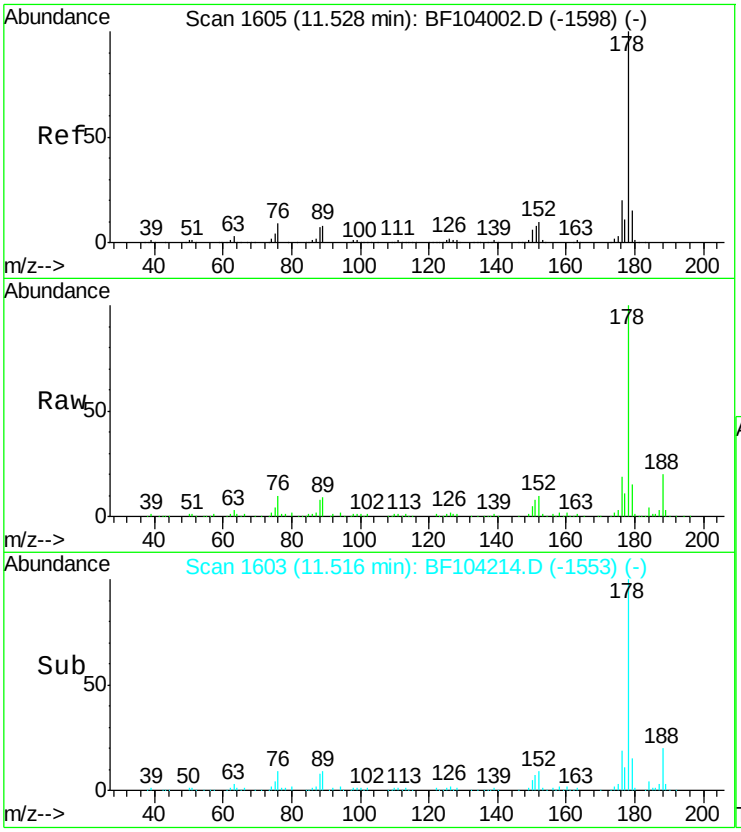


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:188 Resp: 424614

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.9	9.2	13.8



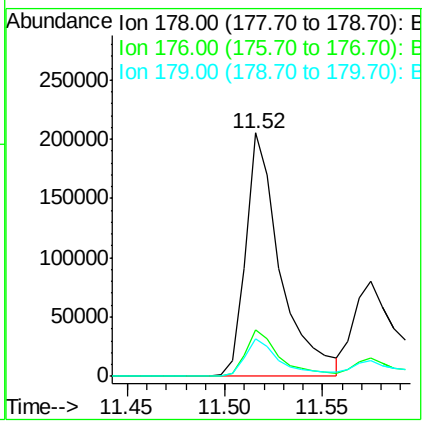


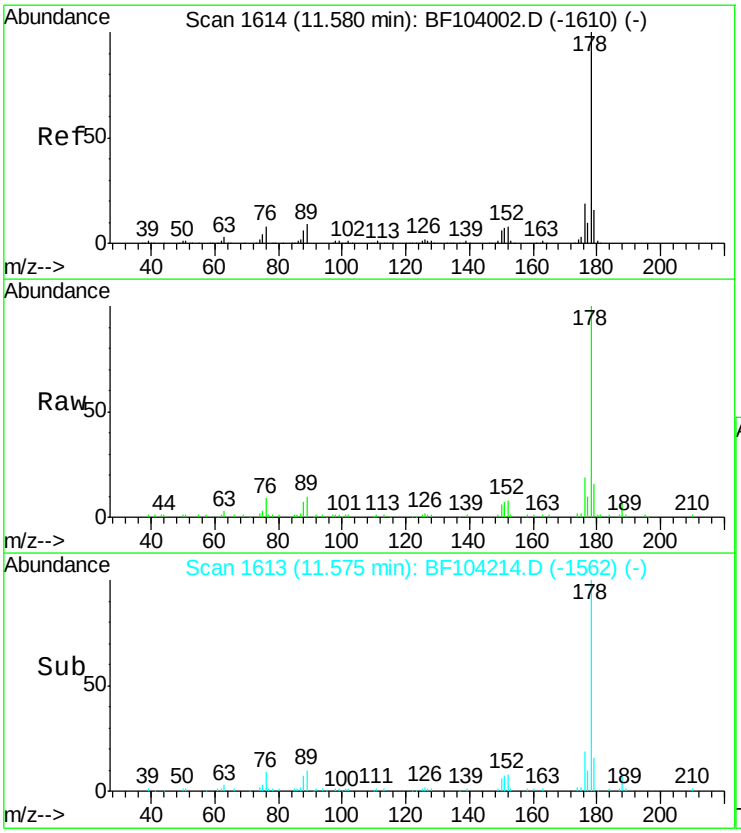
#70
Phenanthrene
Concen: 11.022 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 253377

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	13.0	19.6

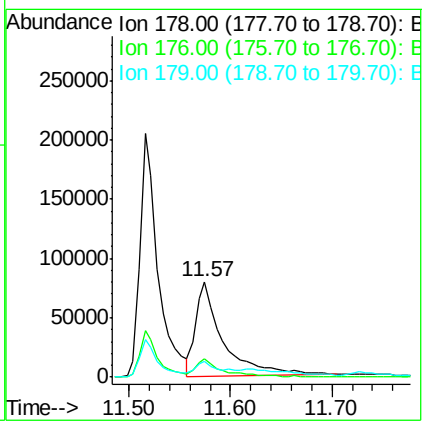


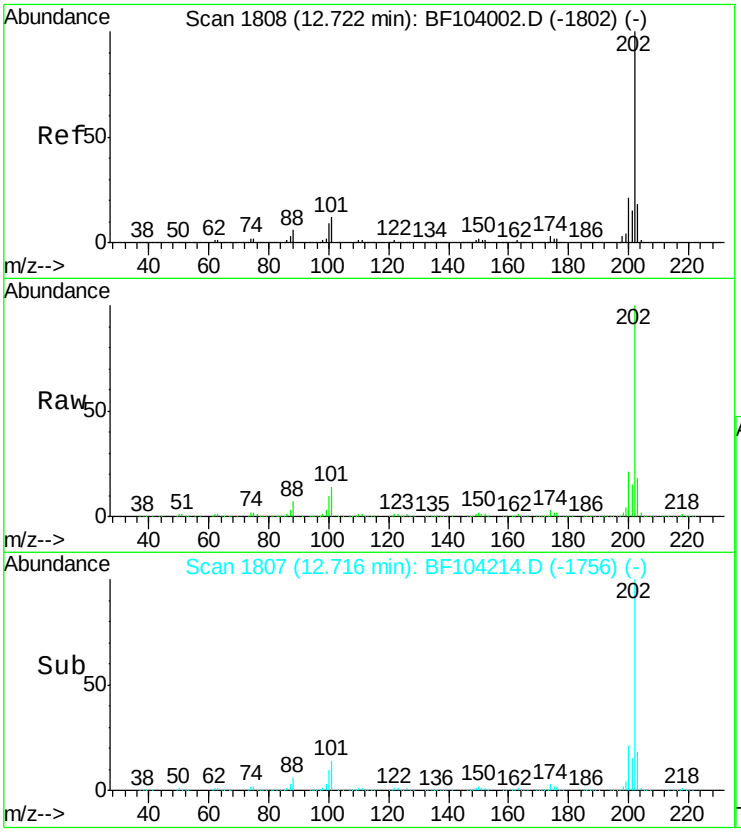


#71
Anthracene
Concen: 6.097 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.00 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:178 Resp: 146402

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	16.3	12.6	19.0



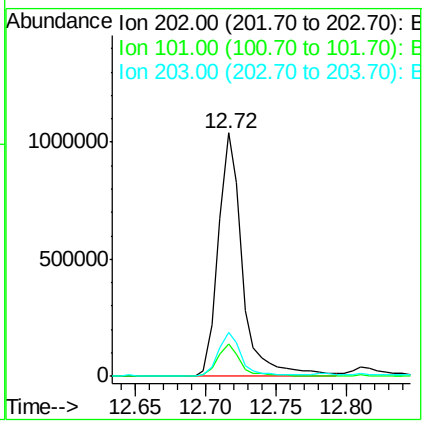


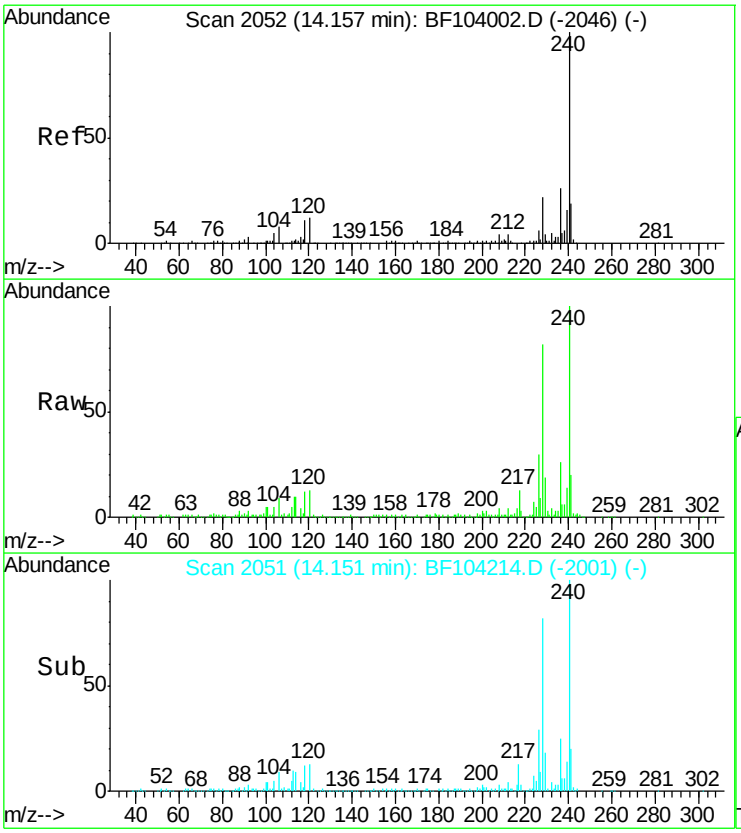
#74
Fluoranthene
Concen: 50.719 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.00 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1239376

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	34.1
203	17.9	0.0	38.1

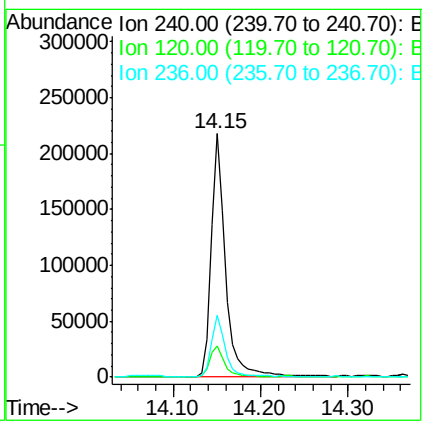


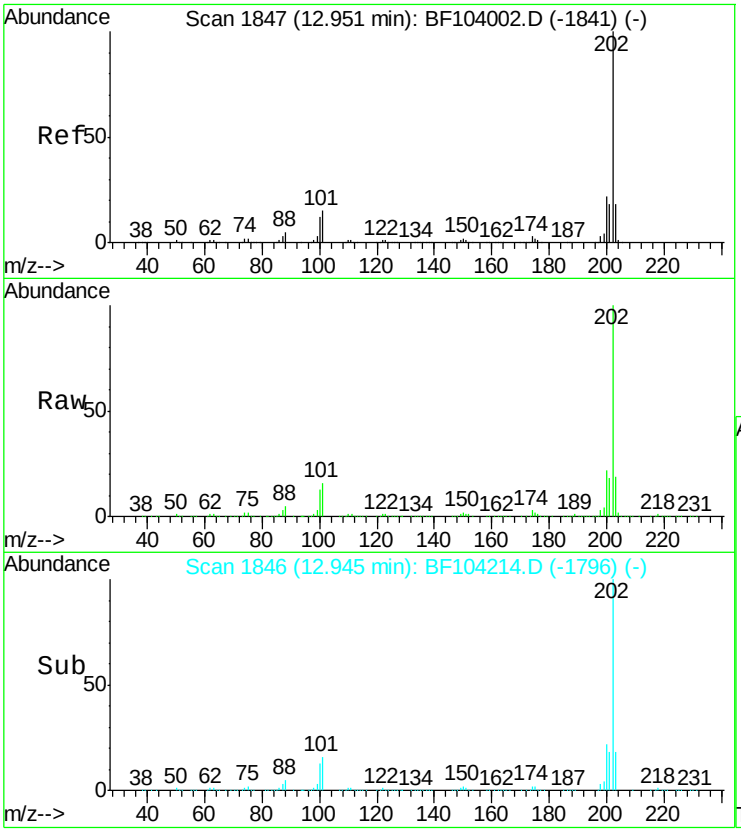


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:240 Resp: 251060

Ion	Ratio	Lower	Upper
240	100		
120	13.0	9.5	14.3
236	25.6	20.7	31.1



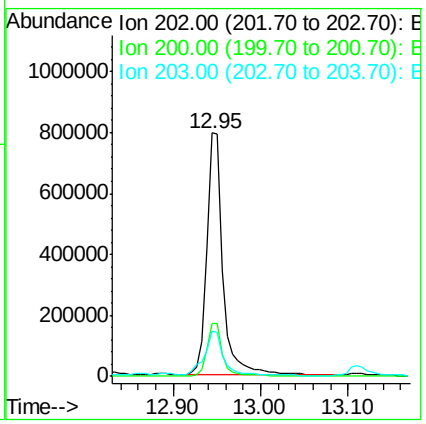


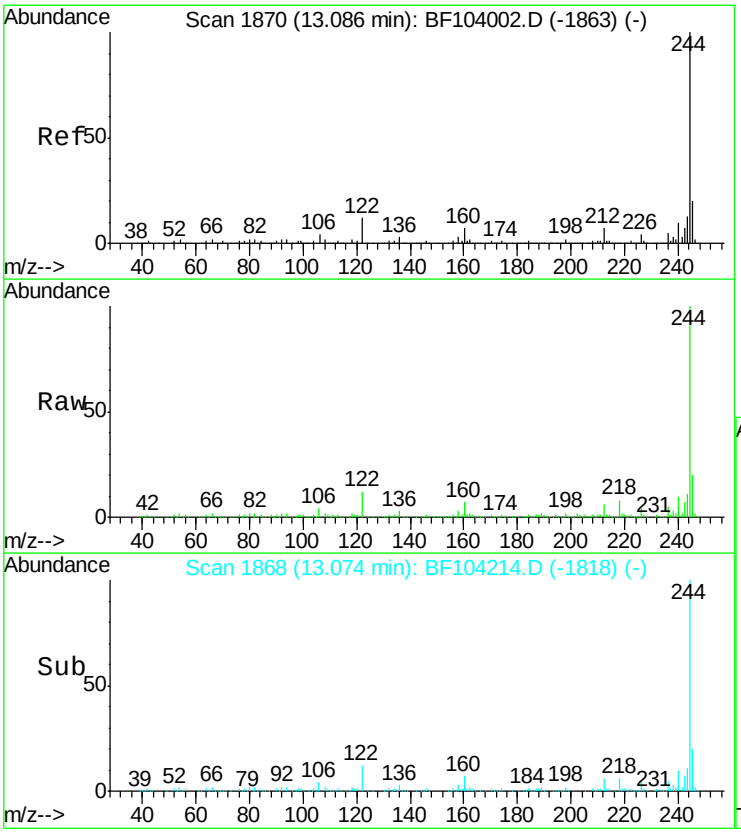
#77
Pyrene
Concen: 56.493 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1019574

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.6	14.3	21.5

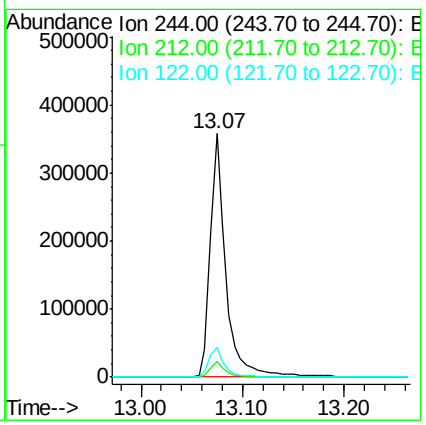


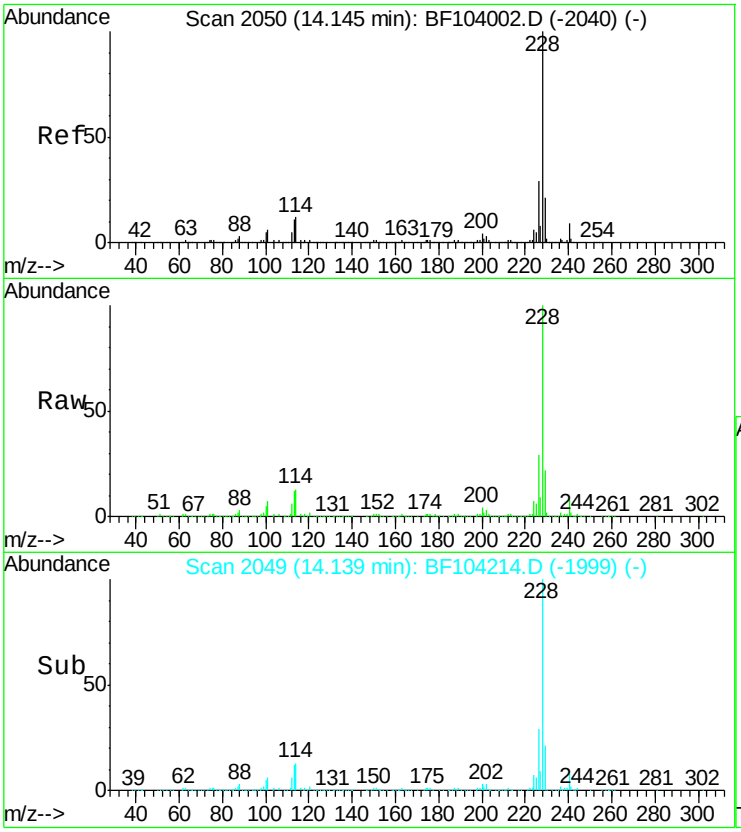


#78
Terphenyl-d14
Concen: 35.509 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:244 Resp: 386100

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	12.4	11.0	16.4



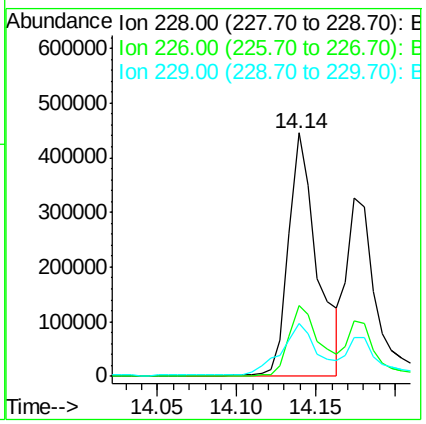


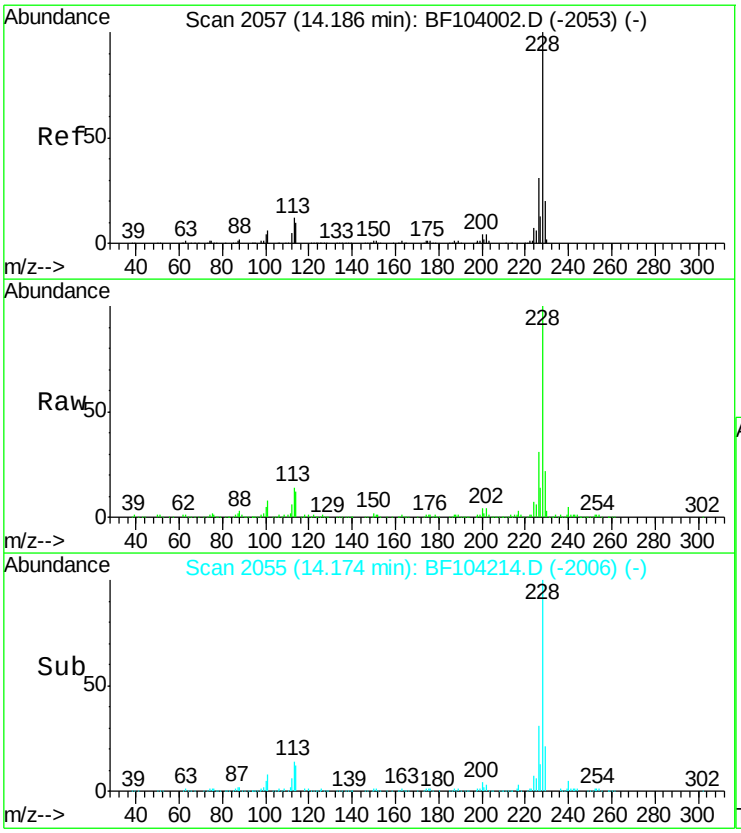
#80
Benzo(a)anthracene
Concen: 35.524 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 558051

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	22.0	15.8	23.6

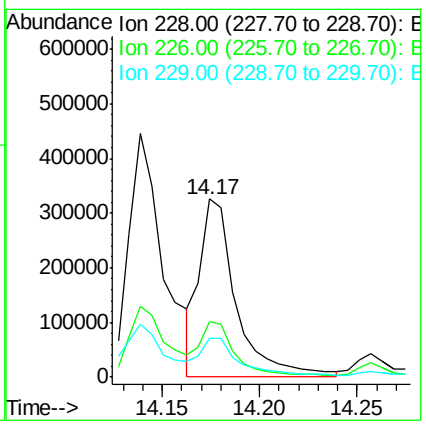


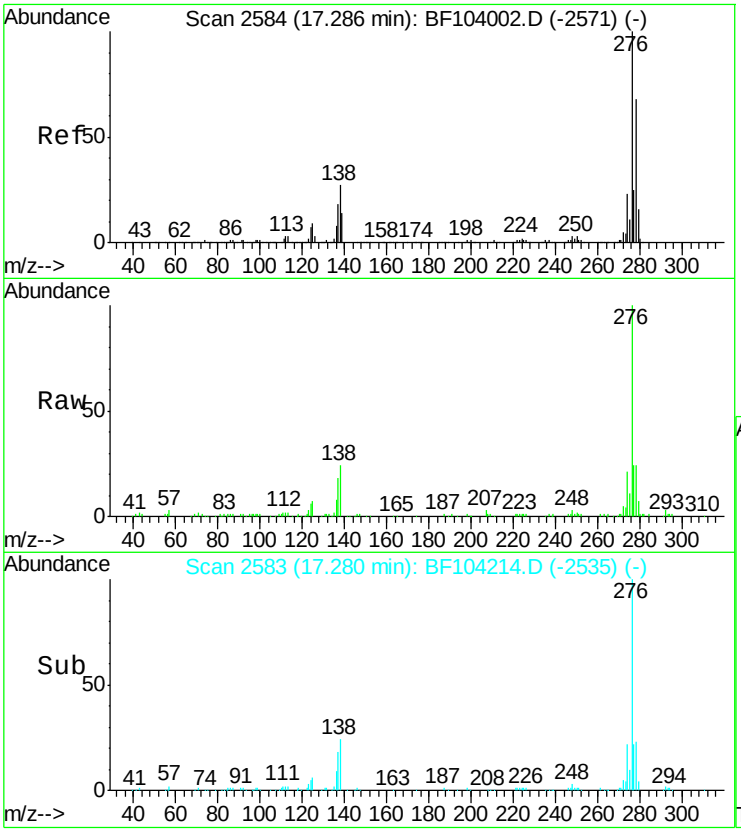


#82
Chrysene
Concen: 27.275 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:228 Resp: 419665

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.0	16.2	24.4



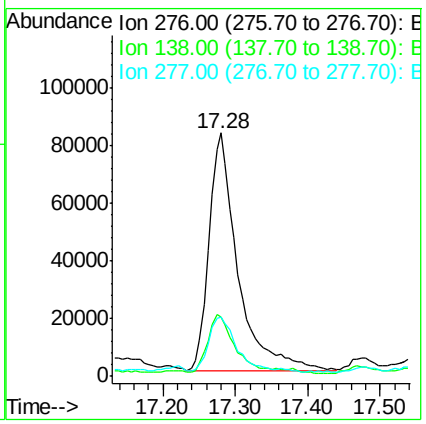


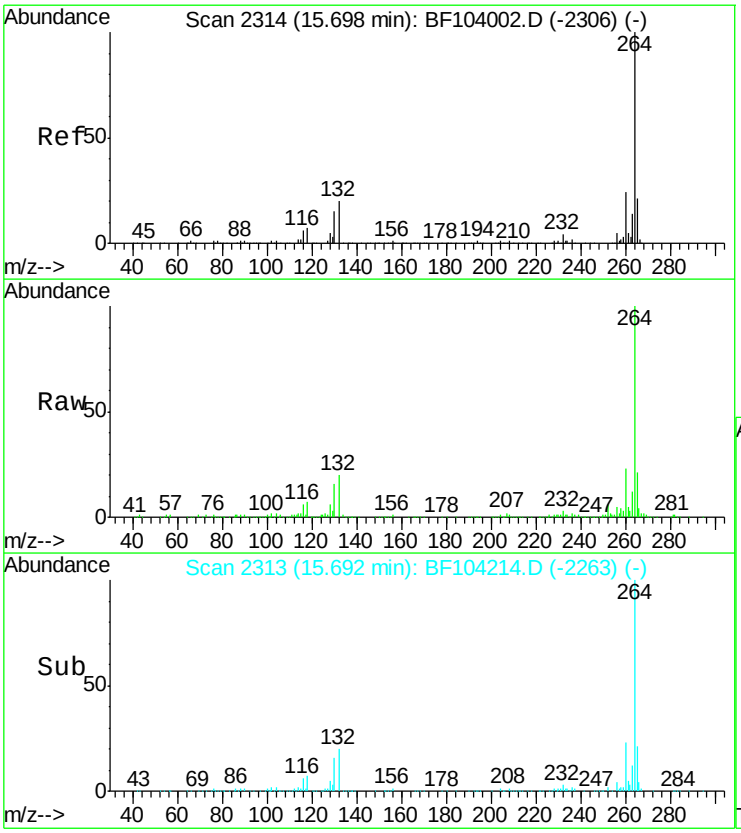
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.134 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.02 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 225359

Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.0	37.6#
277	20.9	20.1	30.1

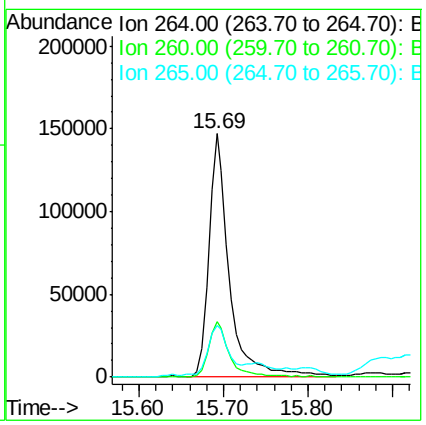


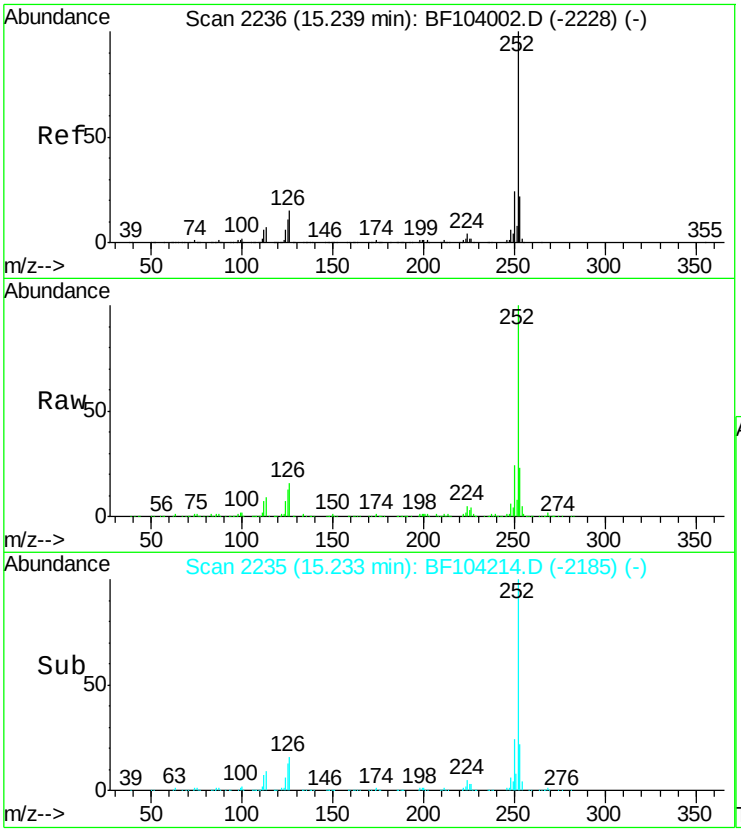


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:264 Resp: 247006

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	21.4	17.5	26.3



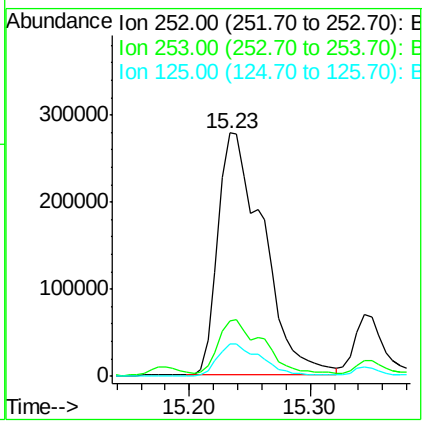


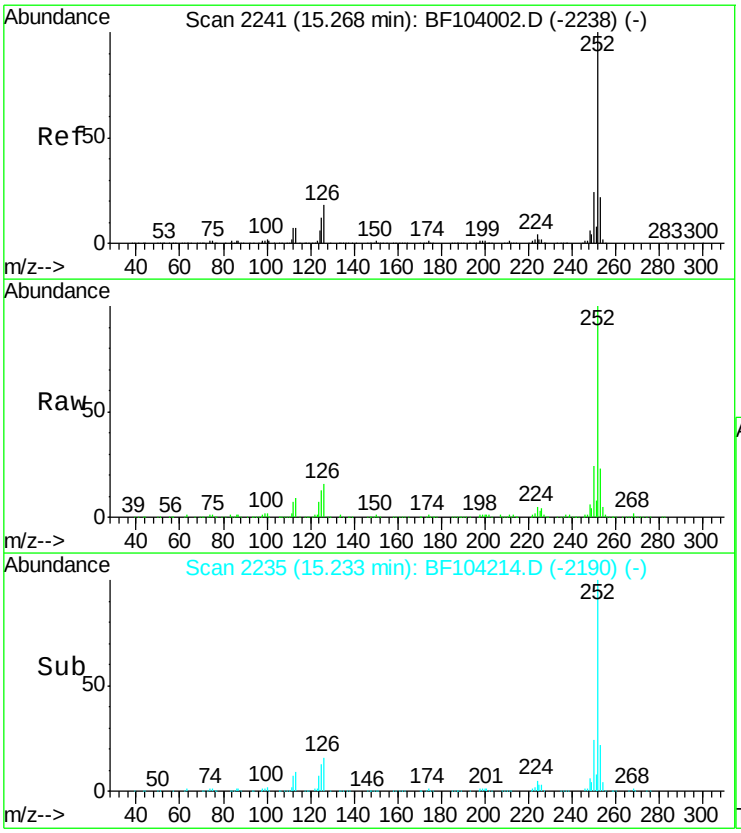
#87
Benzo(b)fluoranthene
Concen: 48.420 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 727881

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	13.3	9.0	13.6

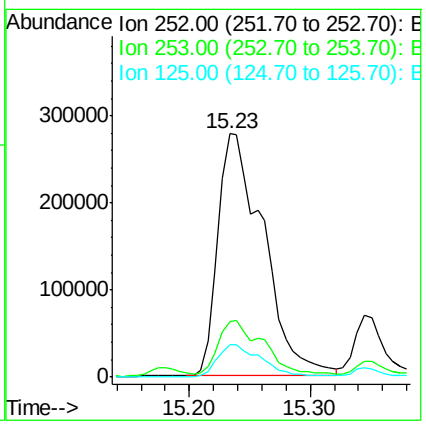


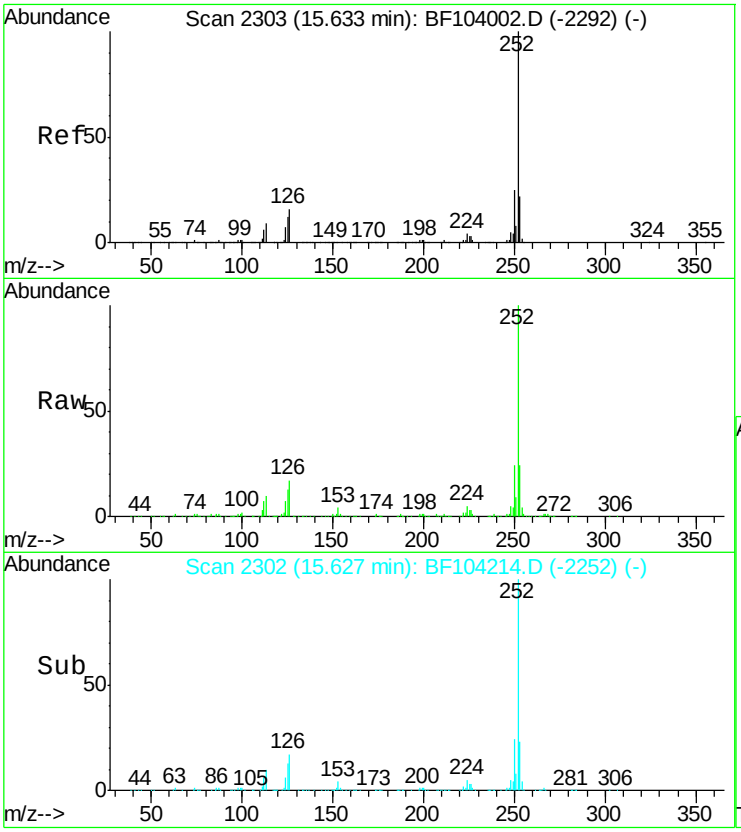


#88
Benzo(k)fluoranthene
Concen: 51.401 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:252 Resp: 727881

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	13.3	10.2	15.2



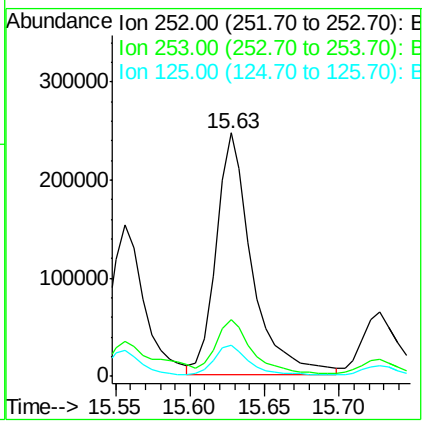


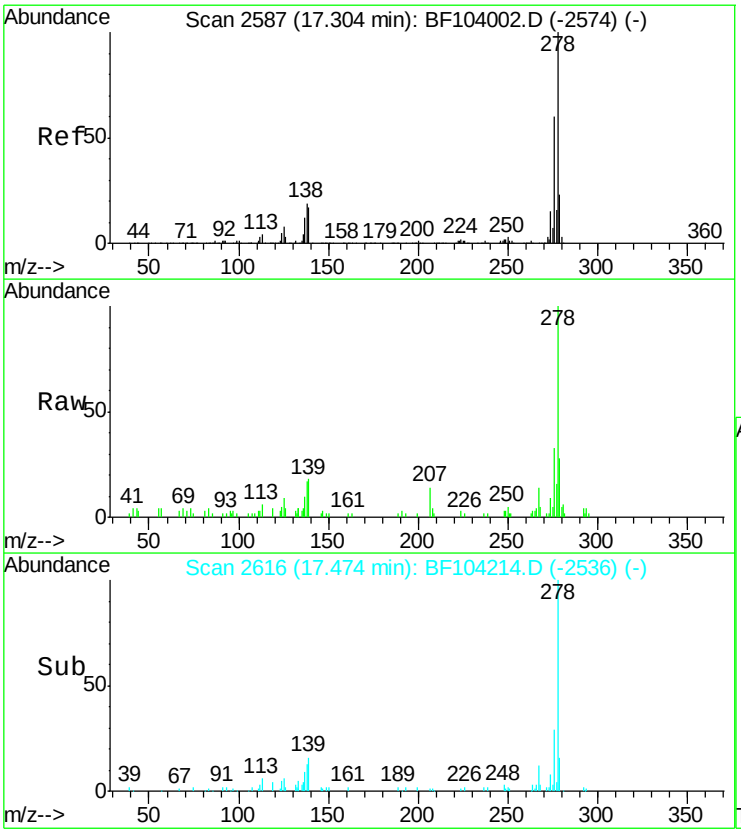
#89
Benzo(a)pyrene
Concen: 29.643 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 412940

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.0	9.8	14.6

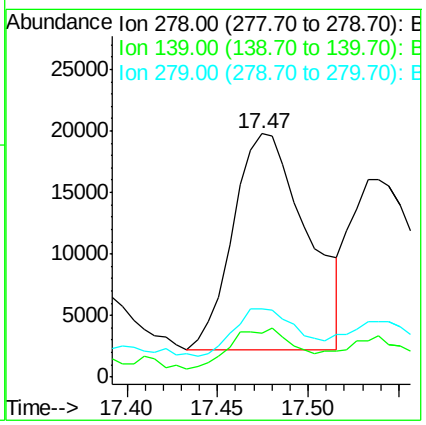


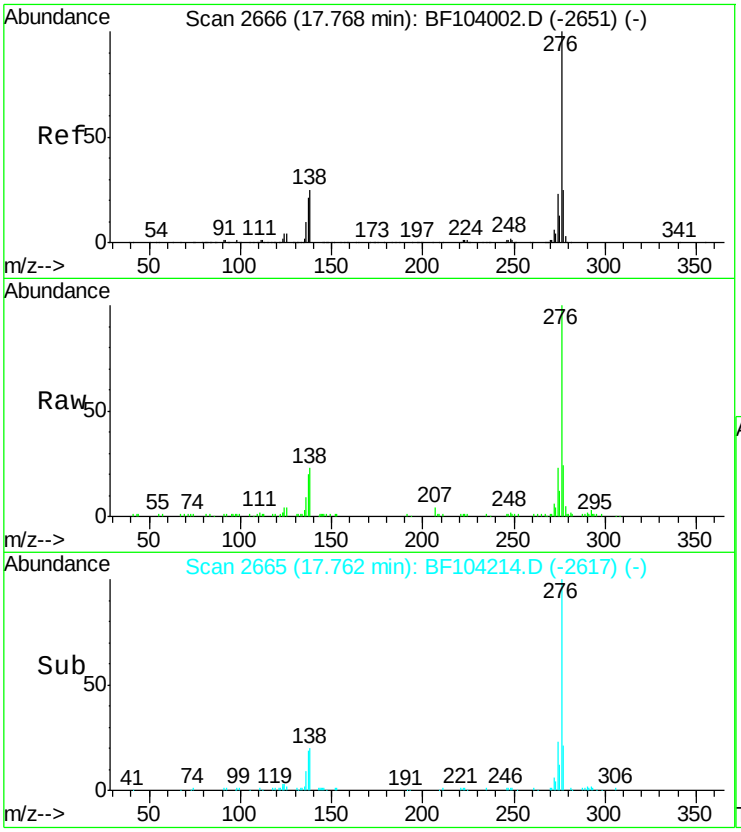


#90
Dibenzo(a,h)anthracene
Concen: 3.850 ng
RT: 17.47 min Scan# 2616
Delta R.T. 0.17 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Tgt Ion:278 Resp: 49587

Ion	Ratio	Lower	Upper
278	100		
139	17.8	15.9	23.9
279	28.0	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 14.661 ng
RT: 17.76 min Scan# 2665
Delta R.T. -0.02 min
Lab File: BF104214.D
Acq: 4 Apr 2018 8:27

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 189132

Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	22.7	21.8	32.8