Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104218.D
Acq On : 4 Apr 2018 10:12
Operator : JU/SJ
Sample : J2176-05DL 250X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Apr 04 10:48:10 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	91706	20.00	ng		0.00
21) Naphthalene-d8	8.24	136	427217	20.00	ng		0.00
38) Acenaphthene-d10	10.00	164	205972	20.00	ng		0.00
63) Phenanthrene-d10	11.49	188	352982	20.00	ng		0.00
75) Chrysene-d12	14.14	240	219062	20.00	ng		-0.01
86) Perylene-d12	15.69	264	208320	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ng		
7) Phenol-d6	0.00	99	0	0.00	ng		
23) Nitrobenzene-d5	0.00	82	0	0.00	ng		
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng		
44) 2-Fluorobiphenyl	9.32	172	2973	0.23	ng		0.00
78) Terphenyl-d14	13.08	244	3536	0.37	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.55	77	117	Below Cal		#	1
31) Naphthalene	8.26	128	1222305	58.565	ng		100
33) 4-Chloroaniline	8.26	127	159750	18.155	ng	#	35
37) 2-Methylnaphthalene	8.95	142	128556	9.351	ng		99
48) Acenaphthylene	9.86	152	194118	9.189	ng		99
50) 2,6-Dinitrotoluene	10.00	165	27258	7.791	ng	#	26
54) Dibenzofuran	10.21	168	118992	6.668	ng		96
55) 4-Nitrophenol	10.21	139	42856	17.772	ng	#	10
56) 2,4-Dinitrotoluene	10.00	165	28005	6.273	ng	#	24
57) Fluorene	10.55	166	147386	10.012	ng		99
70) Phenanthrene	11.52	178	472096	24.703	ng		98
71) Anthracene	11.57	178	208594	10.450	ng		97
72) Carbazole	11.75	167	69336	3.639	ng		99
74) Fluoranthene	12.71	202	284672	14.014	ng		97
77) Pyrene	12.95	202	196712	12.492	ng		98
80) Benzo(a)anthracene	14.17	228	60232	4.394	ng		94
82) Chrysene	14.17	228	60232	4.486	ng		98
87) Benzo(b)fluoranthene	15.23	252	91533	7.220	ng	#	94
88) Benzo(k)fluoranthene	15.23	252	91533	7.664	ng		97
89) Benzo(a)pyrene	15.62	252	52535	4.472	ng	#	92

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

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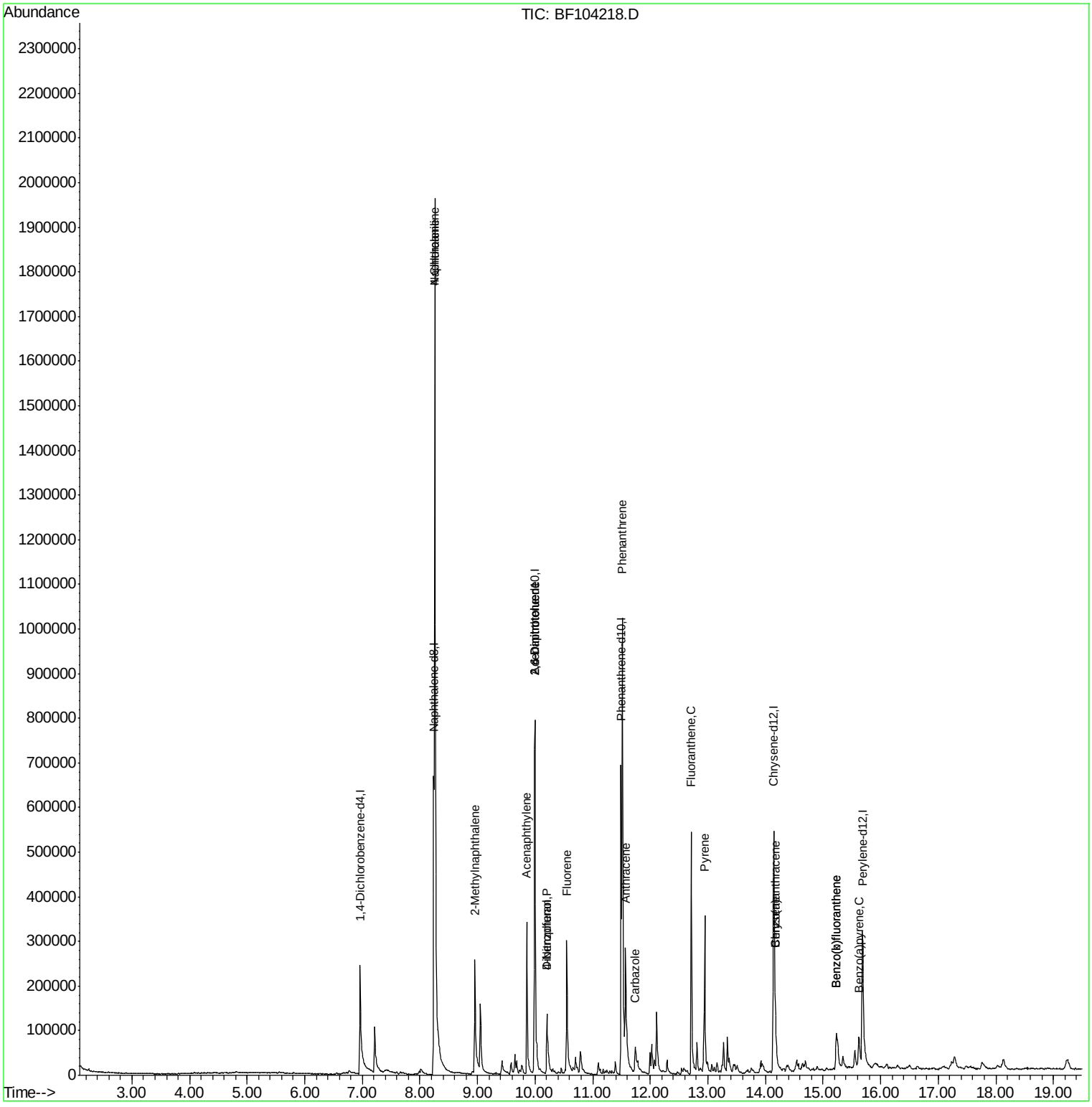
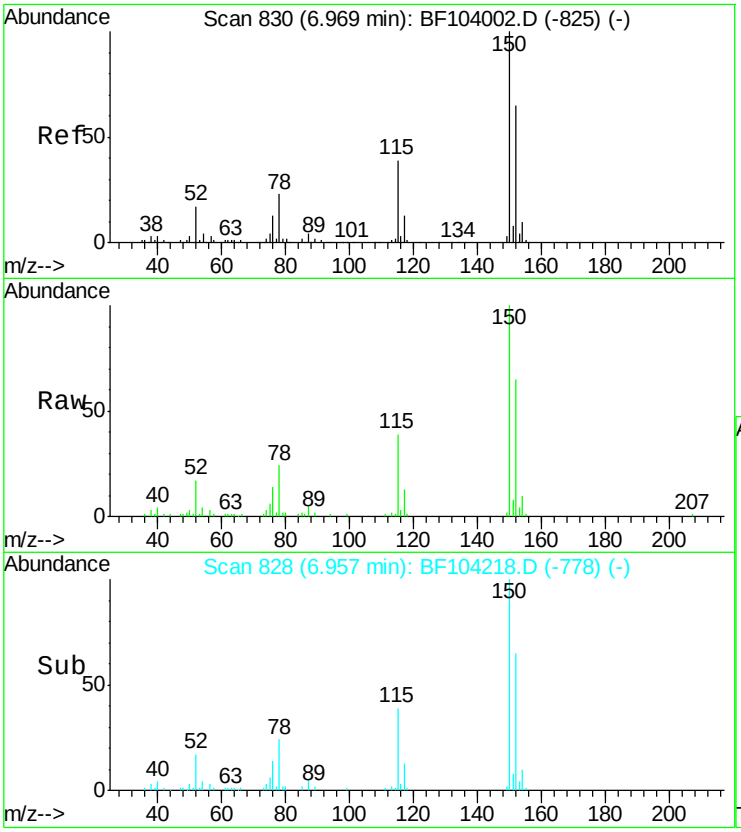
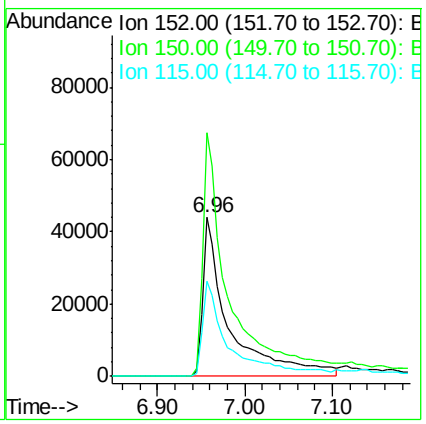




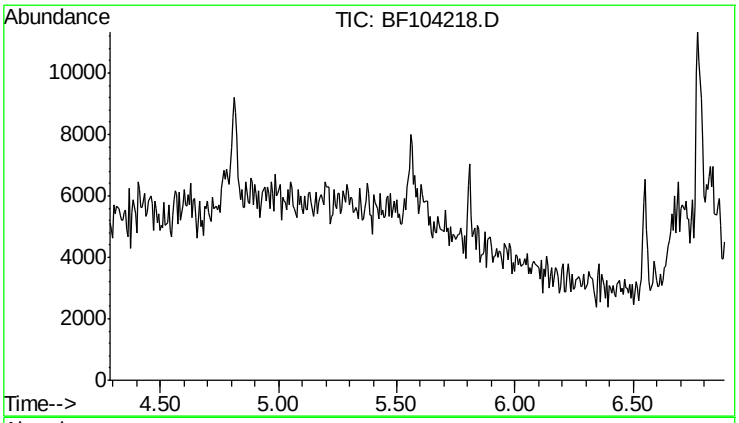
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:152 Resp: 91706

Ion	Ratio	Lower	Upper
152	100		
150	153.0	124.6	186.8
115	59.4	50.1	75.1



Instrument :
BNA_F
ClientSampleId :

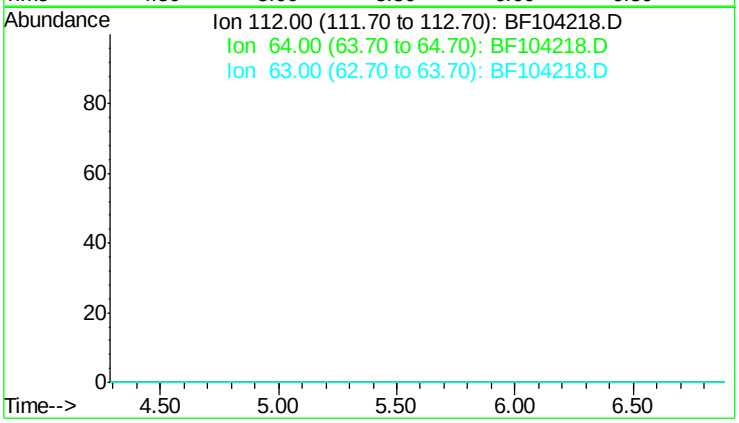


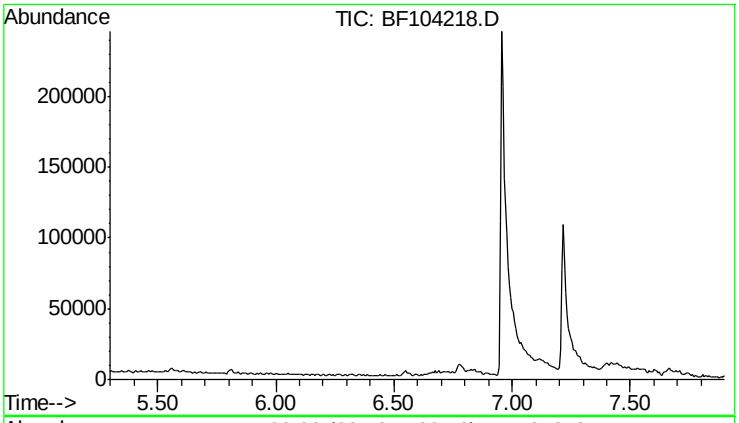
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.9
63	29.6





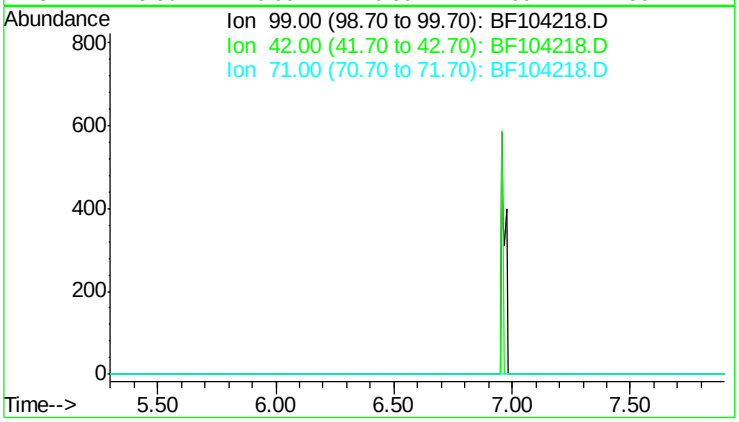
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.60 min

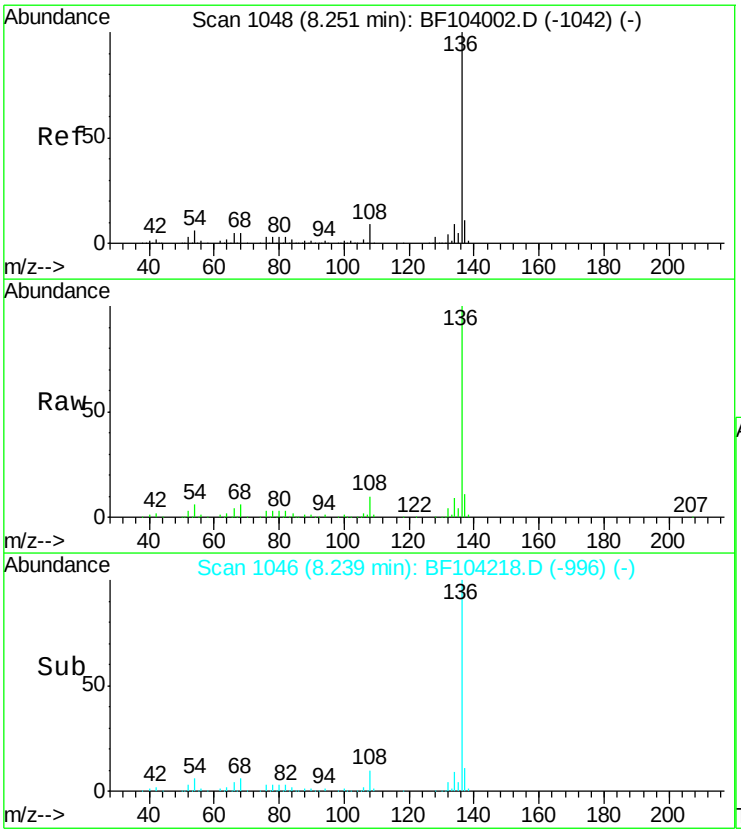
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.1
71	31.7

Instrument :
BNA_F
ClientSampleId :

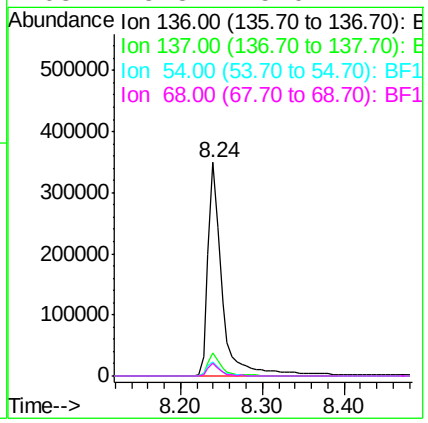


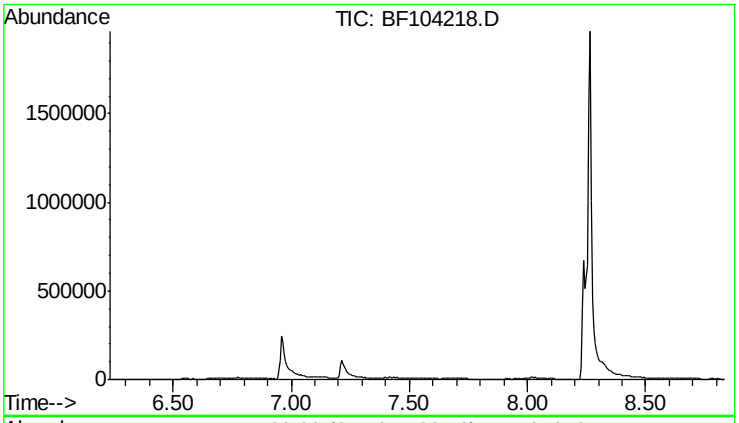


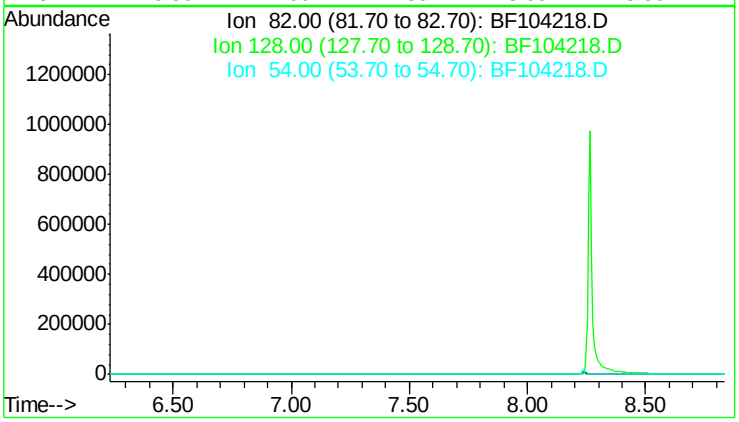
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:136 Resp: 427217

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.5	6.6	9.8#
68	5.8	5.0	7.4







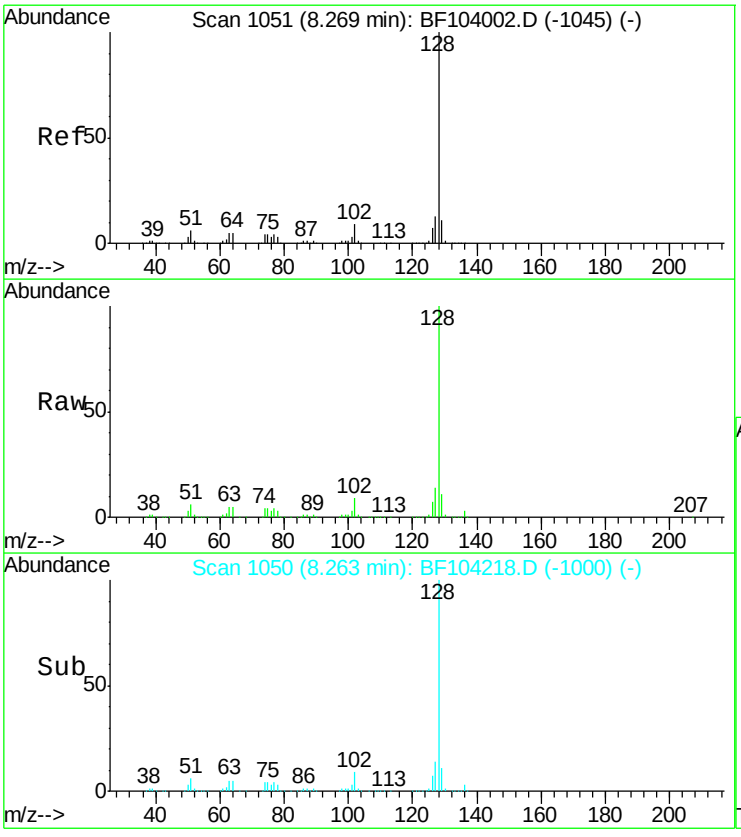
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.53 min

Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.1
54	51.8

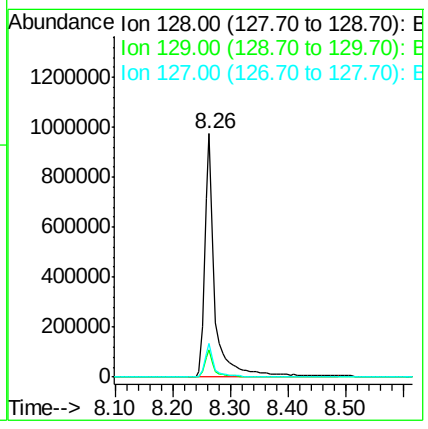
Instrument :
BNA_F
ClientSampleId :

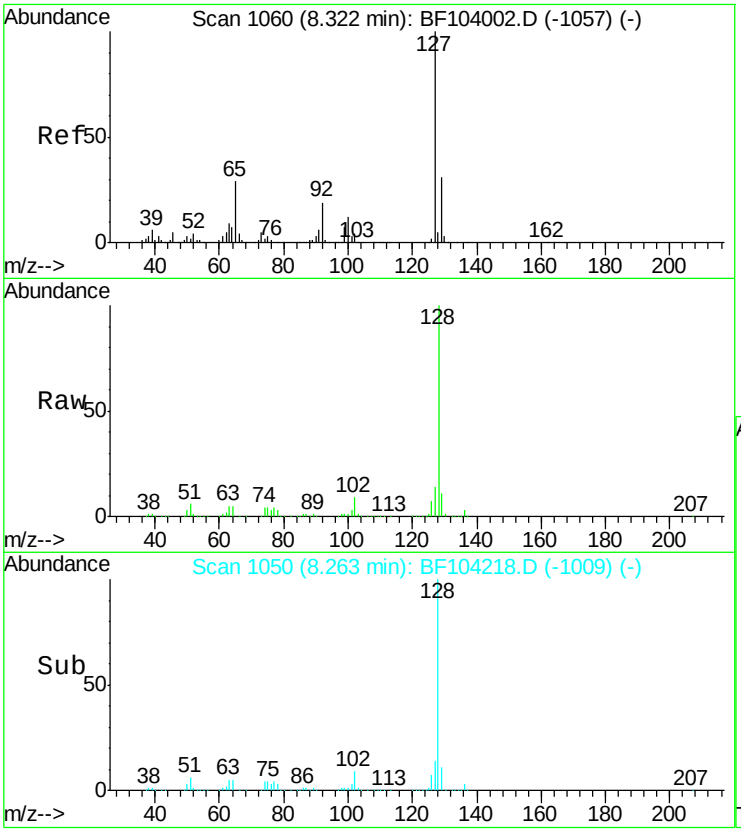


#31
Naphthalene
Concen: 58.565 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:128 Resp: 1222305

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.7	10.9	16.3



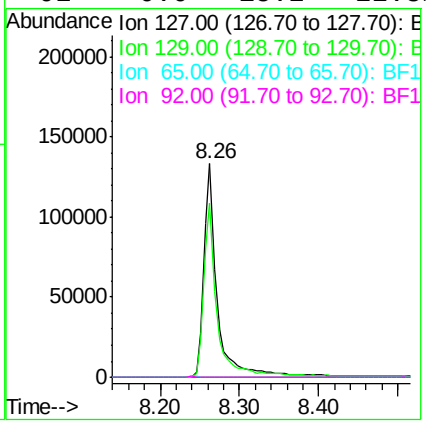


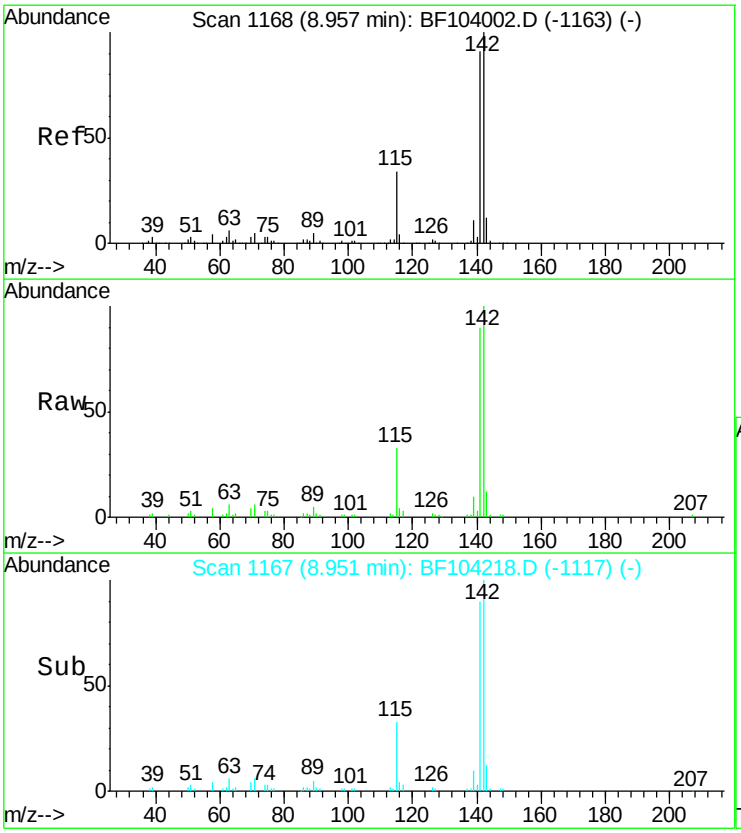
#33
4-Chloroaniline
Concen: 18.155 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.06 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:127 Resp: 159750

Ion	Ratio	Lower	Upper
127	100		
129	81.4	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#

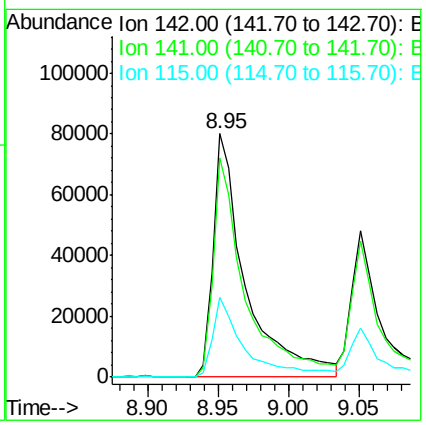


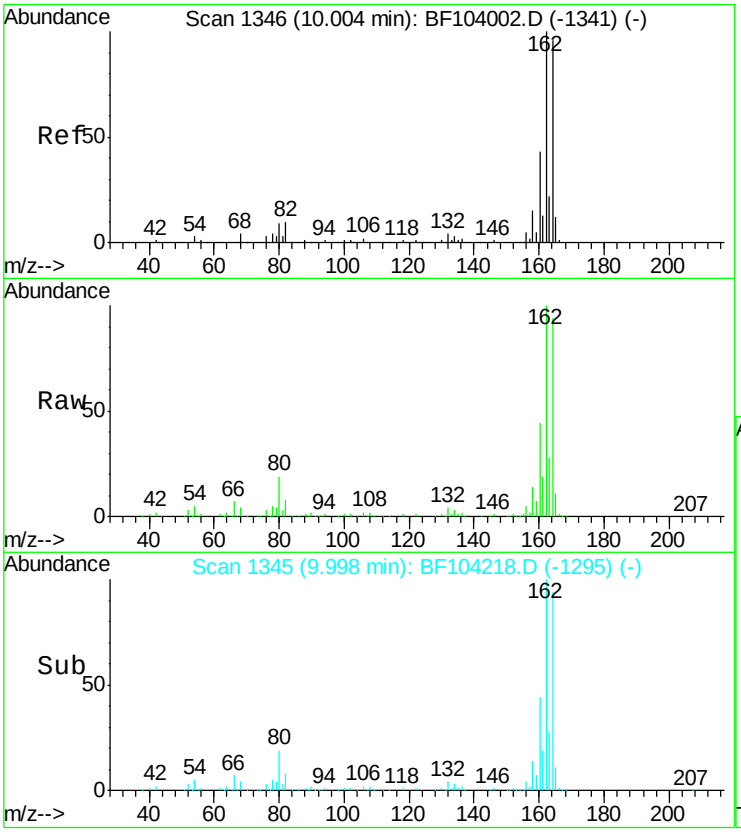


#37
2-Methylnaphthalene
Concen: 9.351 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:142 Resp: 128556

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	32.7	26.1	39.1



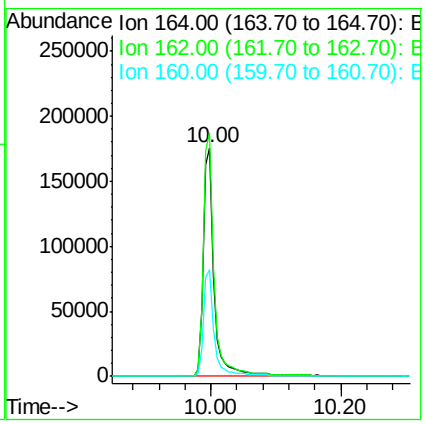


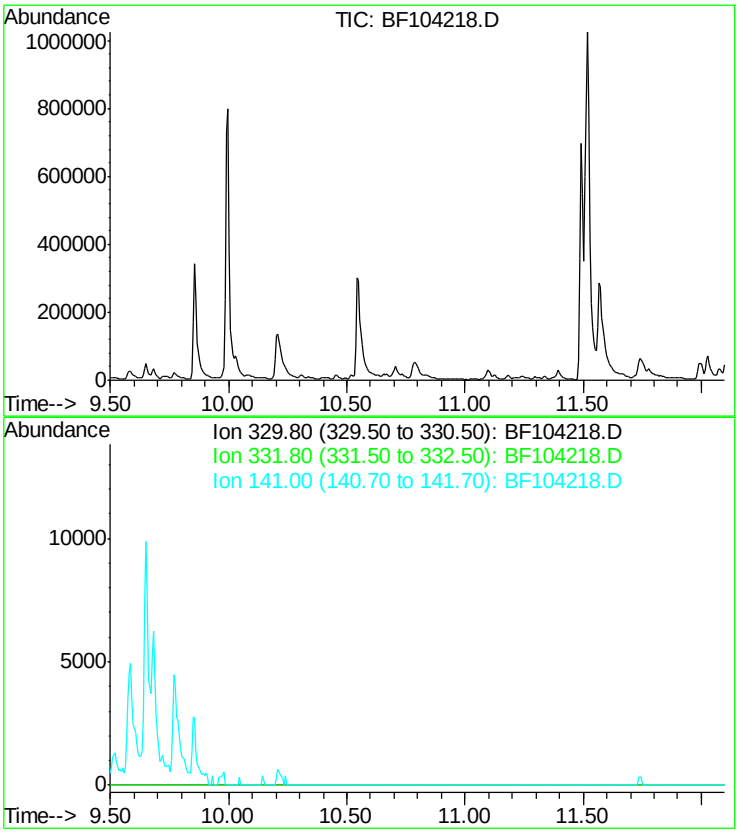
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 205972

Ion	Ratio	Lower	Upper
164	100		
162	106.6	86.1	129.1
160	46.8	38.3	57.5



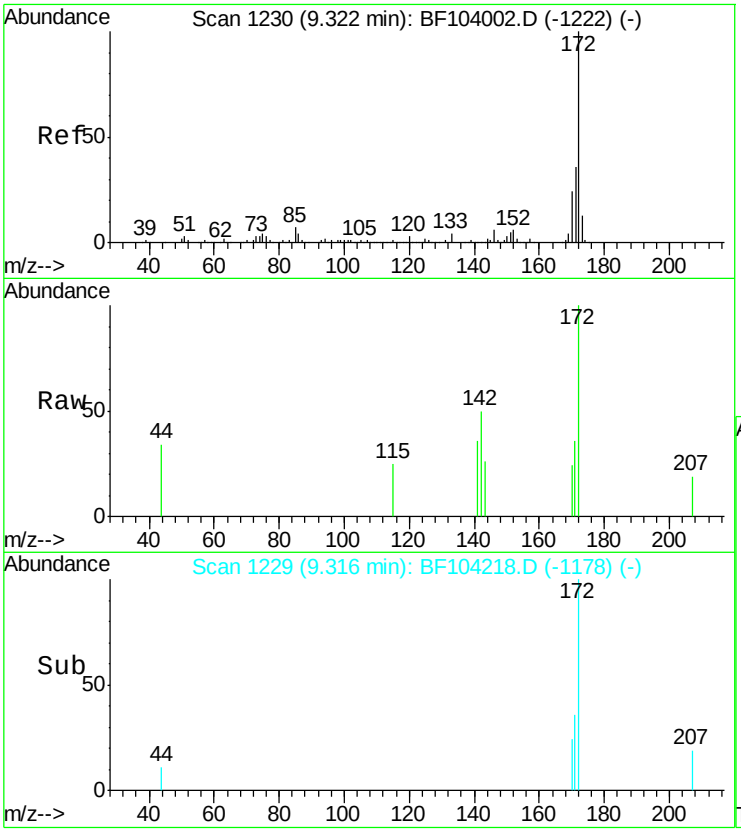


#41
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.80 min

Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.3
141	37.4

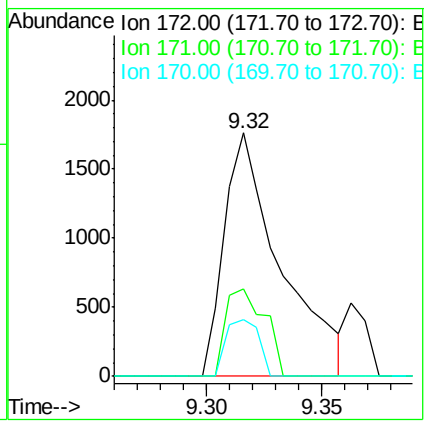


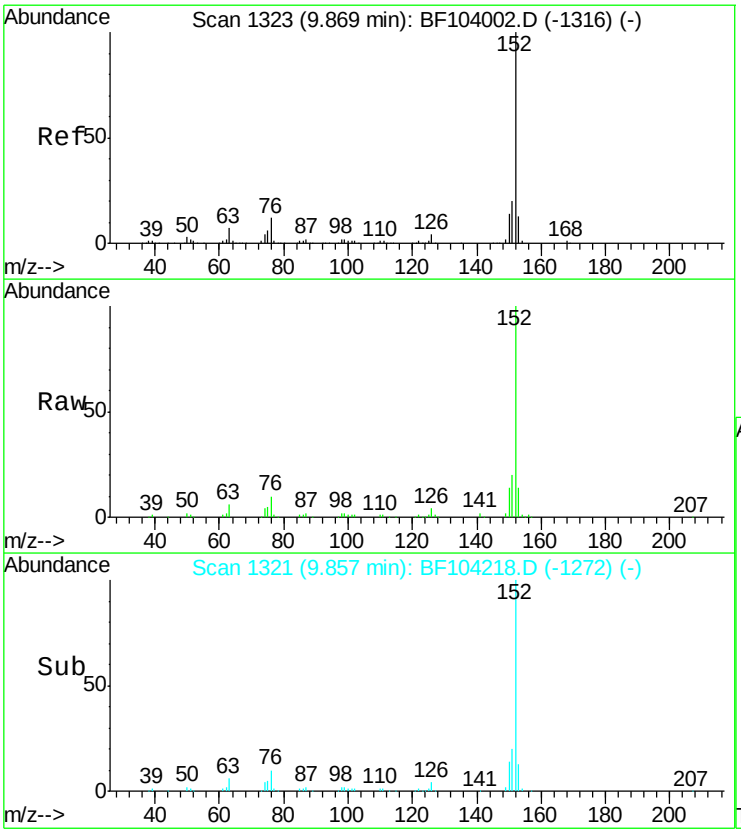
#44
2-Fluorobiphenyl
Concen: 0.228 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 2973

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.5	19.6	29.4

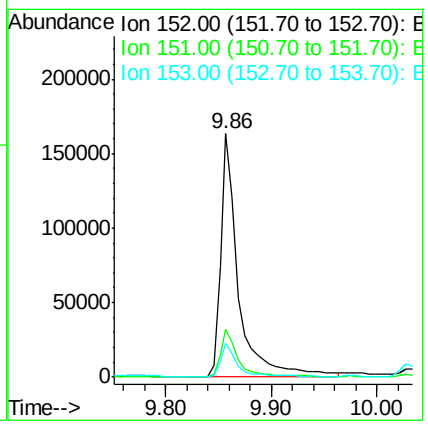


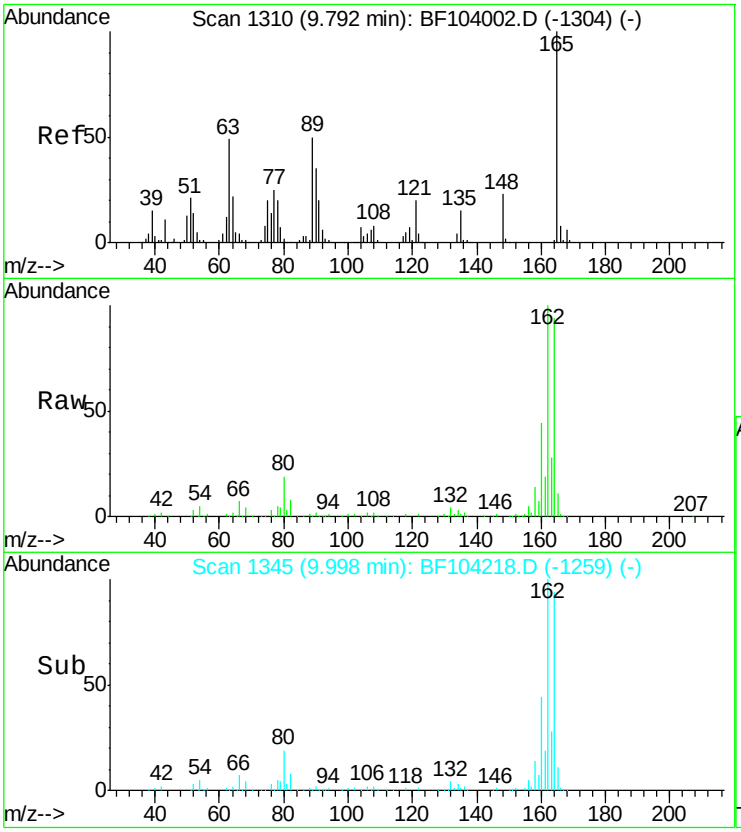


#48
Acenaphthylene
Concen: 9.189 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:152 Resp: 194118

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	13.7	10.7	16.1



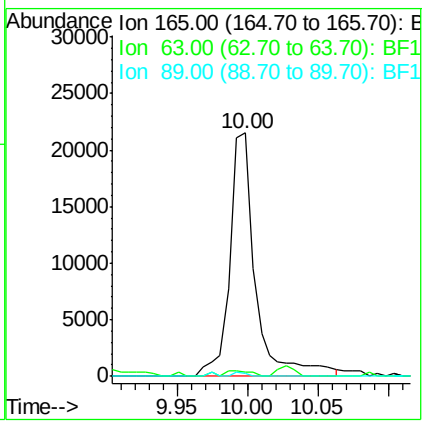


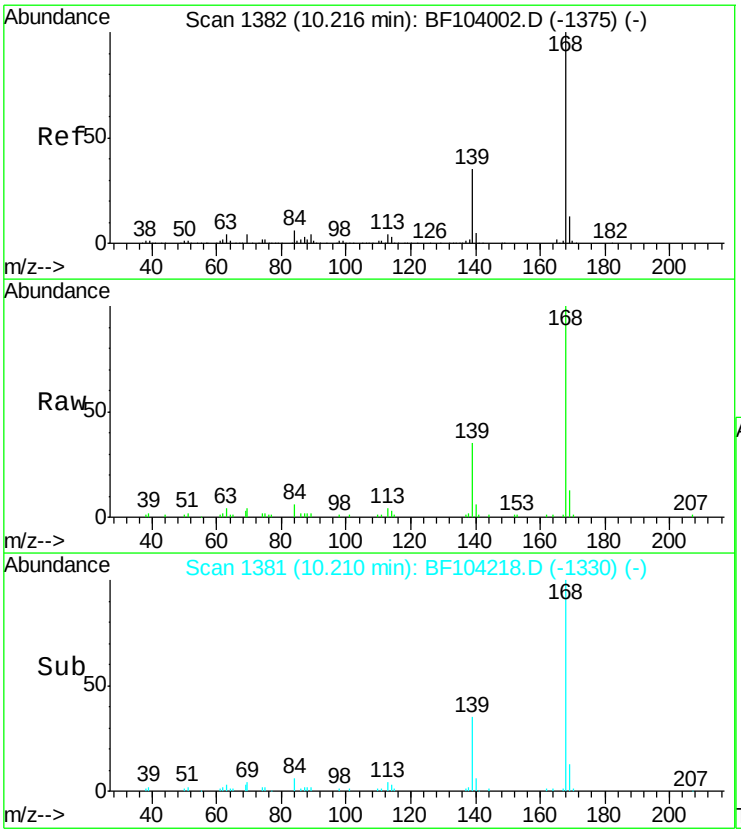
#50
2,6-Dinitrotoluene
Concen: 7.791 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.21 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 27258

Ion	Ratio	Lower	Upper
165	100		
63	1.9	44.7	67.1#
89	1.5	44.0	66.0#

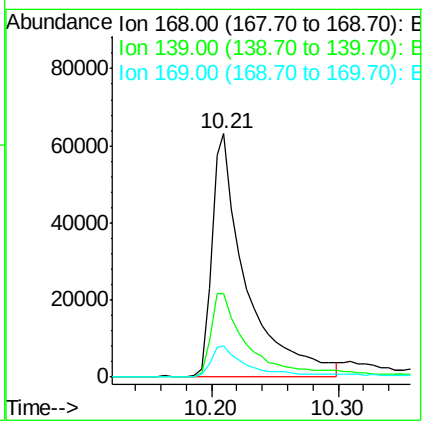


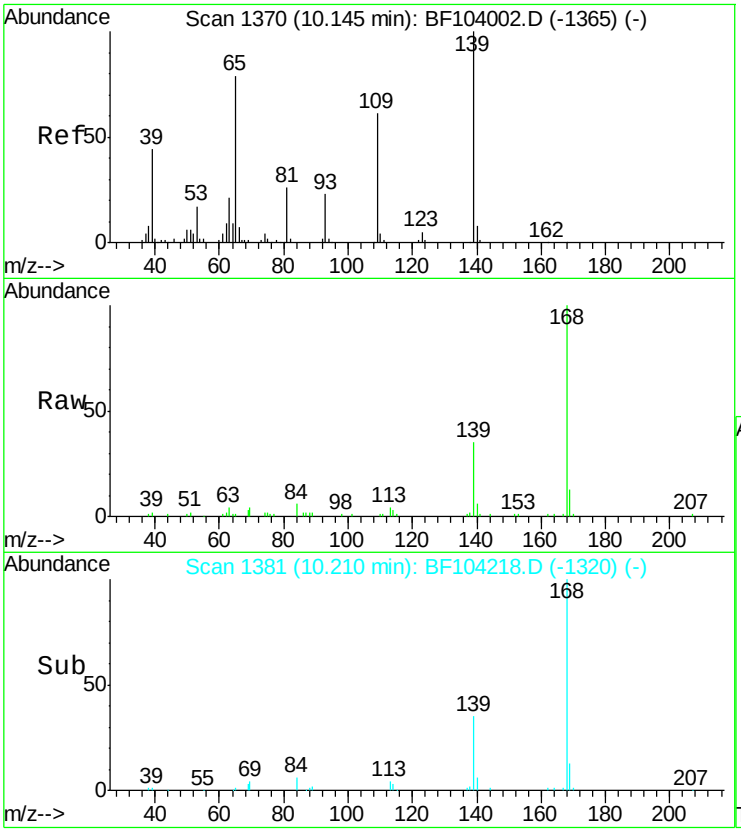


#54
Dibenzofuran
Concen: 6.668 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:168 Resp: 118992

Ion	Ratio	Lower	Upper
168	100		
139	34.5	30.1	45.1
169	12.9	10.9	16.3



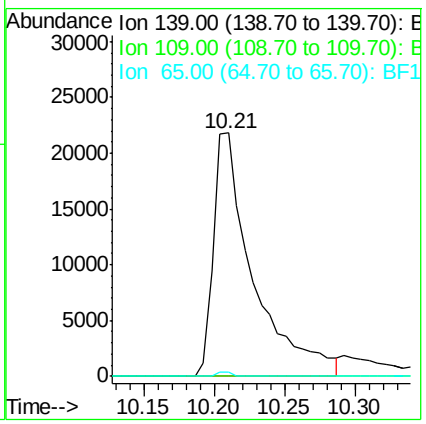


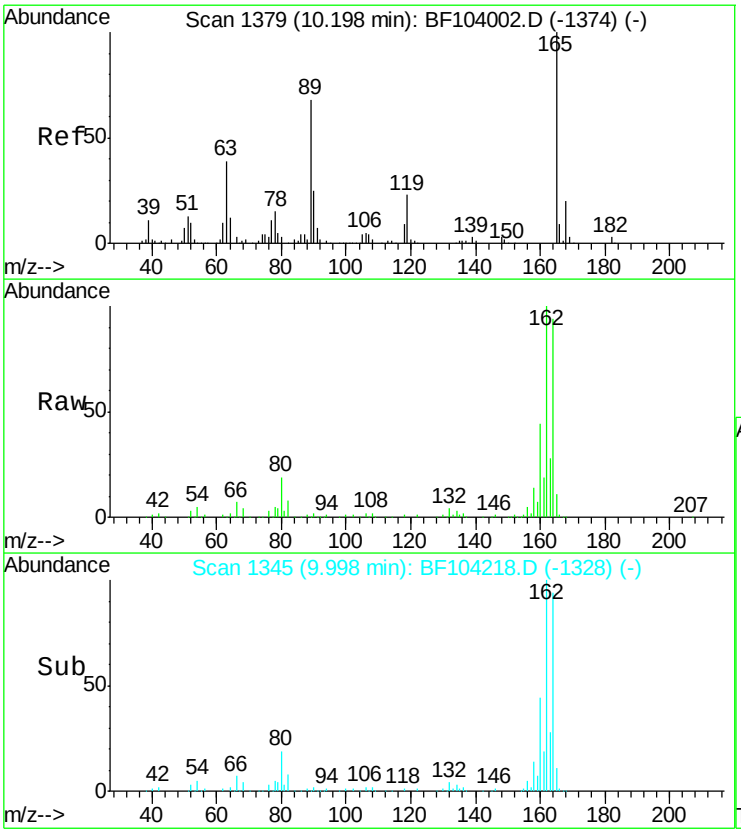
#55
4-Nitrophenol
Concen: 17.772 ng
RT: 10.21 min Scan# 1381
Delta R.T. 0.06 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 42856

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	1.9	72.6	112.6#

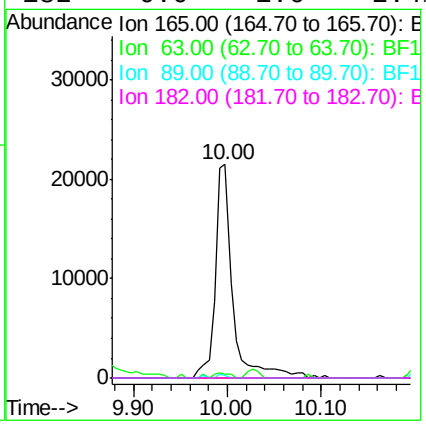


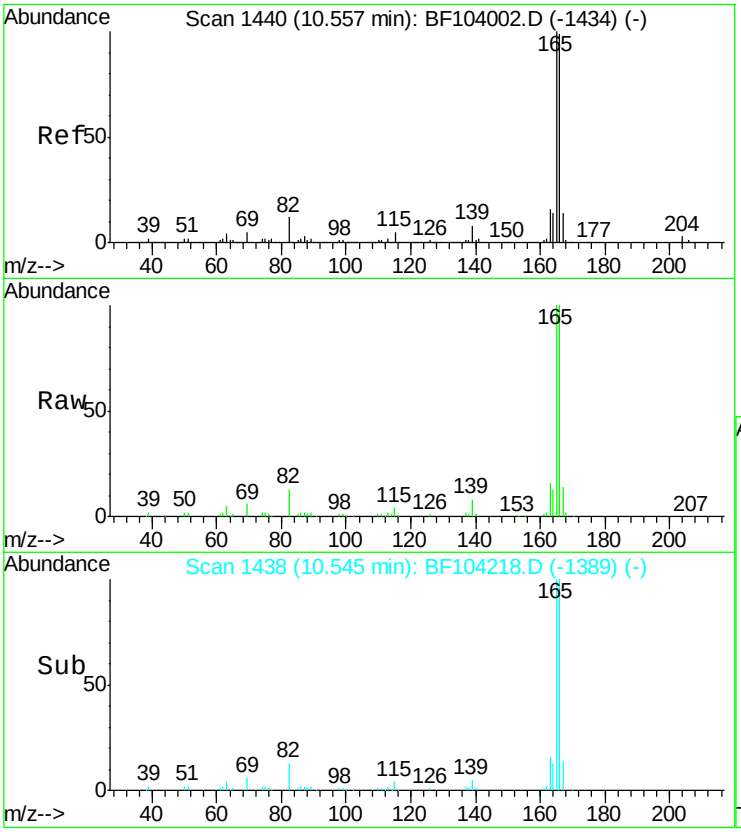


#56
2,4-Dinitrotoluene
Concen: 6.273 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.20 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:165 Resp: 28005

Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



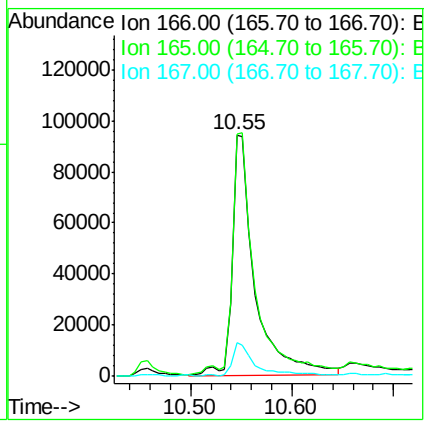


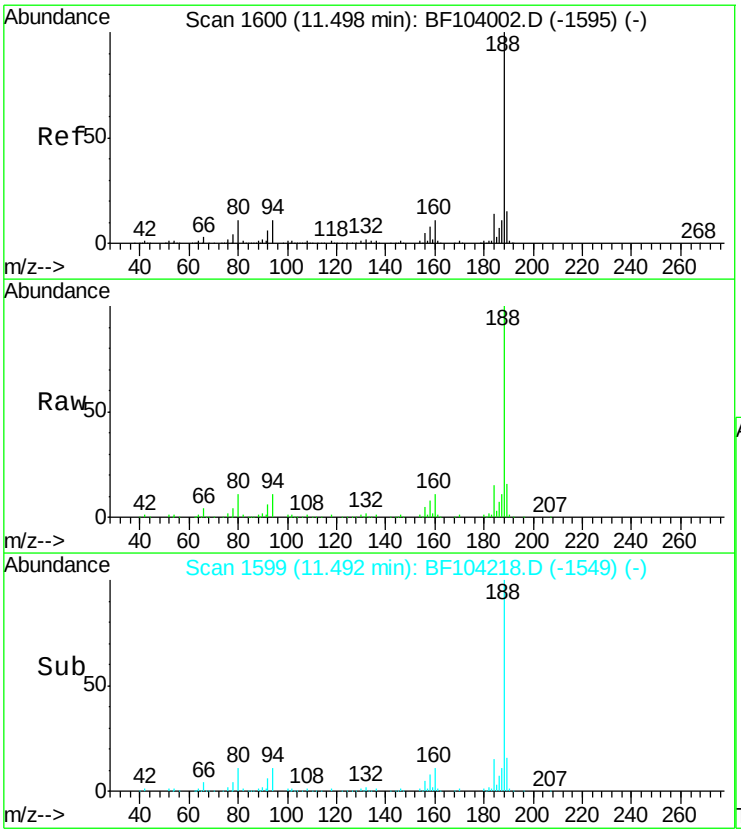
#57
Fluorene
Concen: 10.012 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 147386

Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	13.8	10.6	16.0

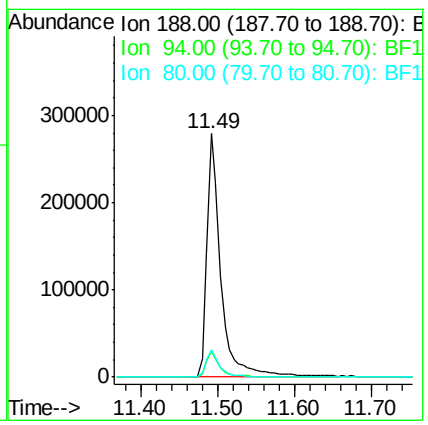


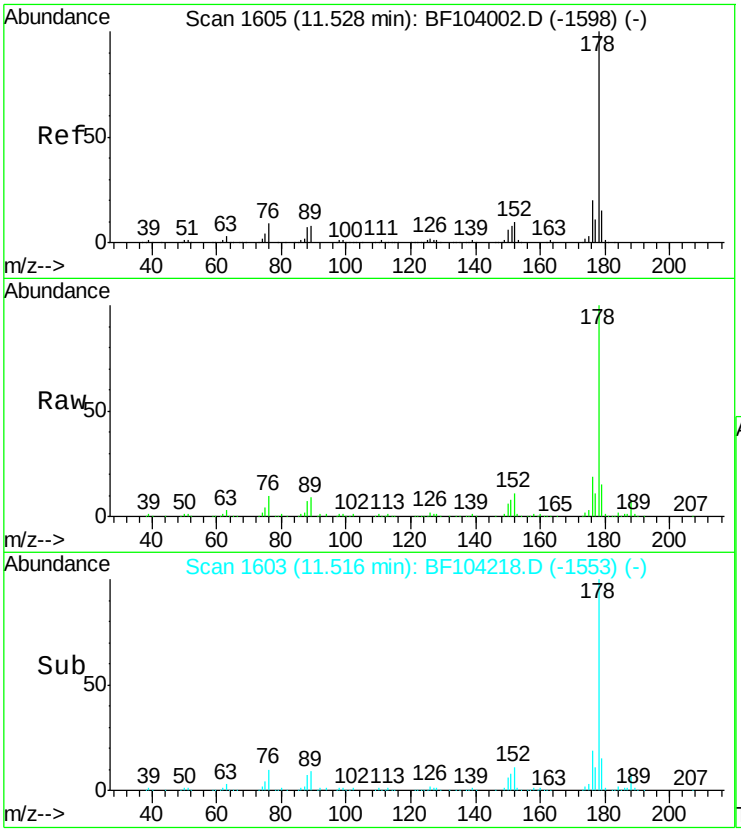


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:188 Resp: 352982

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.2	9.2	13.8



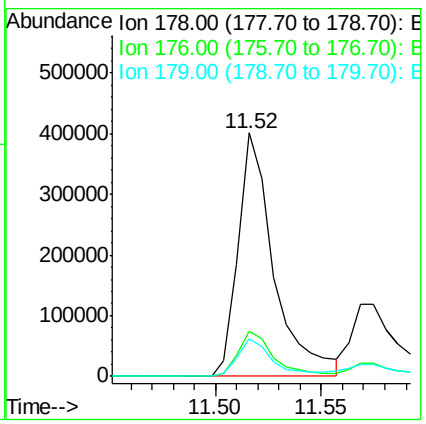


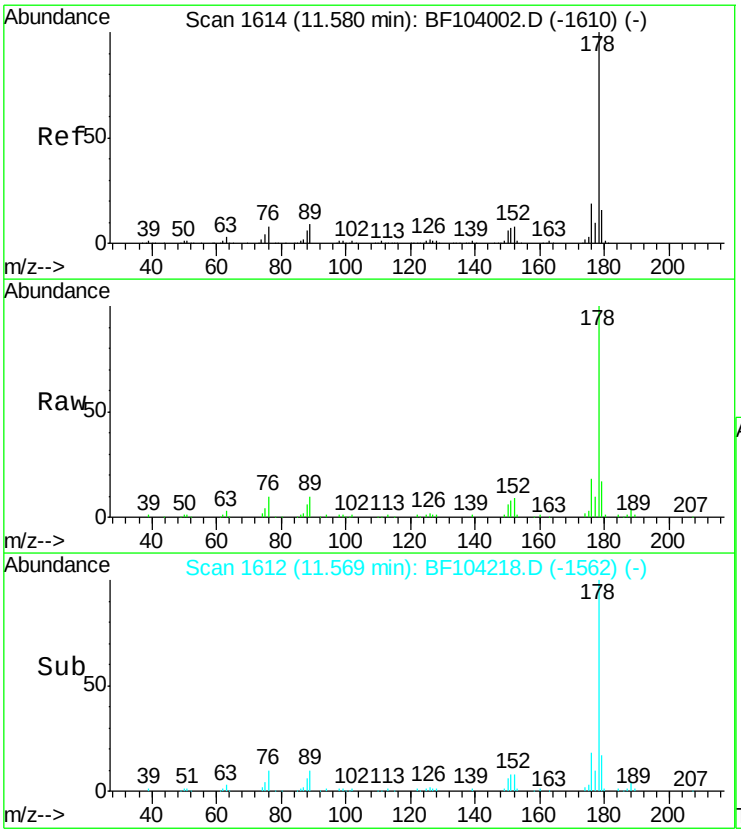
#70
Phenanthrene
Concen: 24.703 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 472096

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.3	13.0	19.6

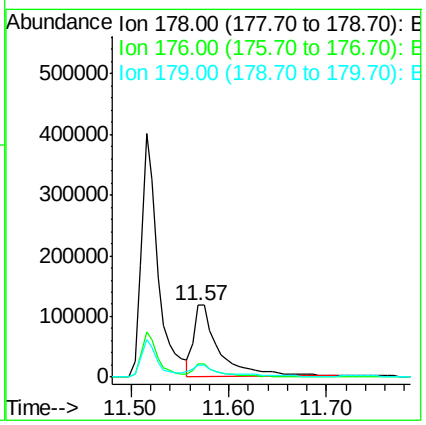


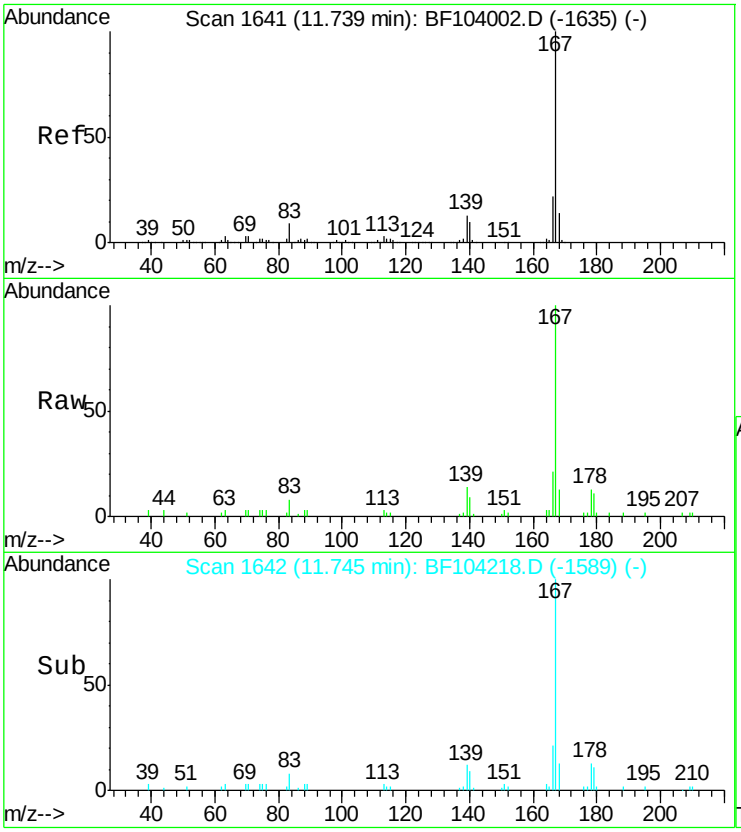


#71
Anthracene
Concen: 10.450 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:178 Resp: 208594

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	17.3	12.6	19.0



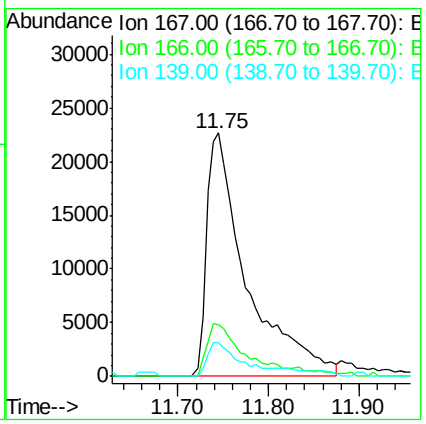


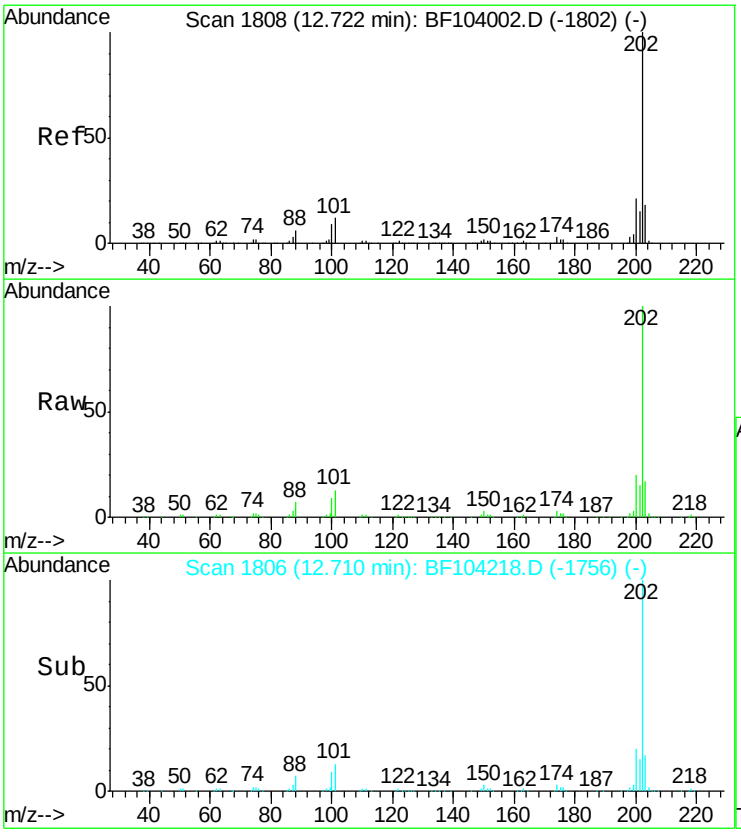
#72
Carbazole
Concen: 3.639 ng
RT: 11.75 min Scan# 1642
Delta R.T. 0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 69336

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.6	26.4
139	14.1	10.9	16.3

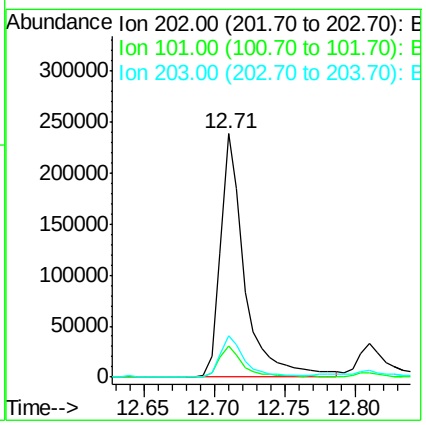


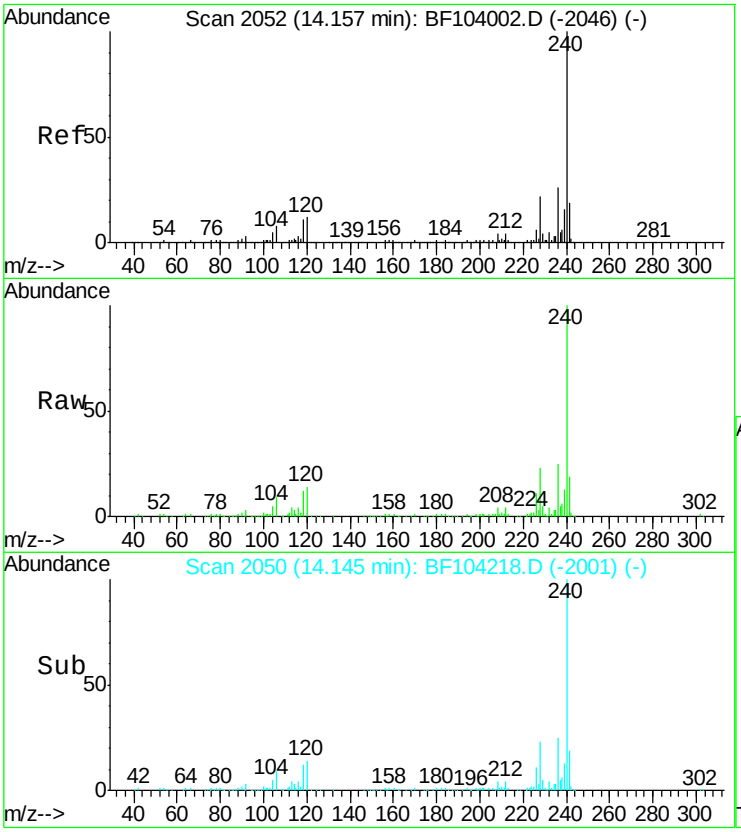


#74
Fluoranthene
Concen: 14.014 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:202 Resp: 284672

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	16.9	0.0	38.1



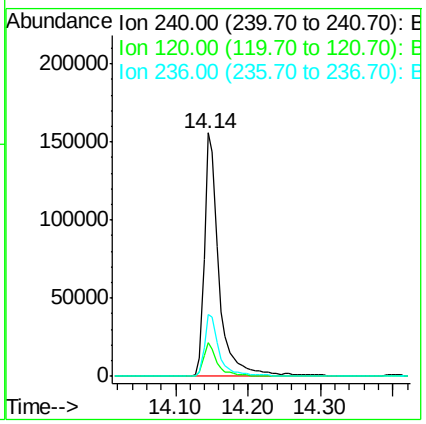


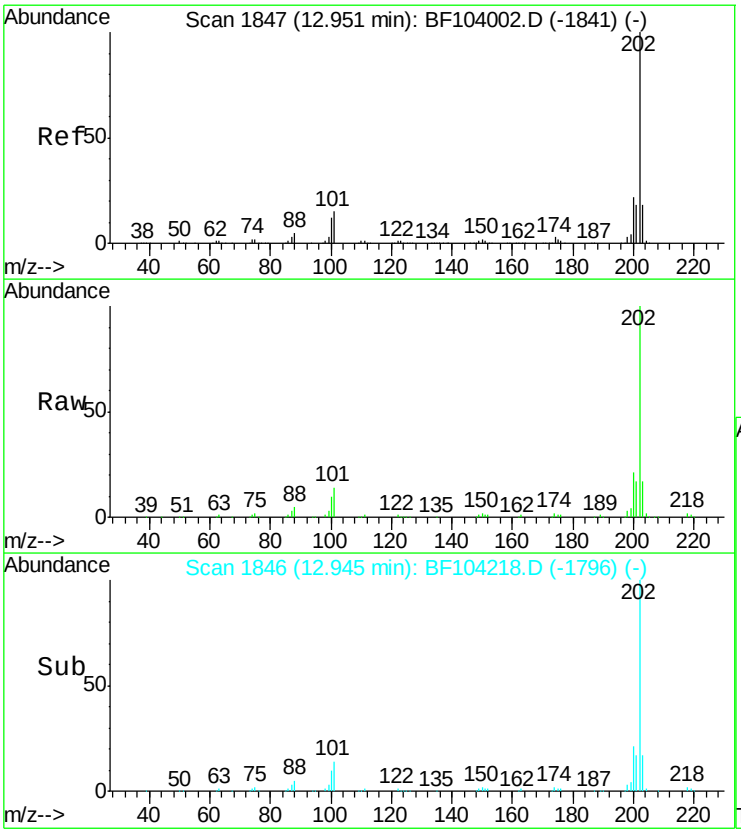
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 219062

Ion	Ratio	Lower	Upper
240	100		
120	13.6	9.5	14.3
236	25.1	20.7	31.1

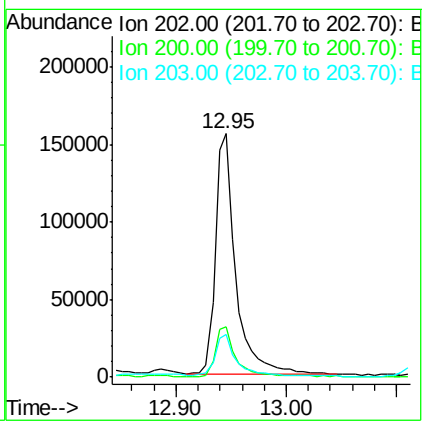


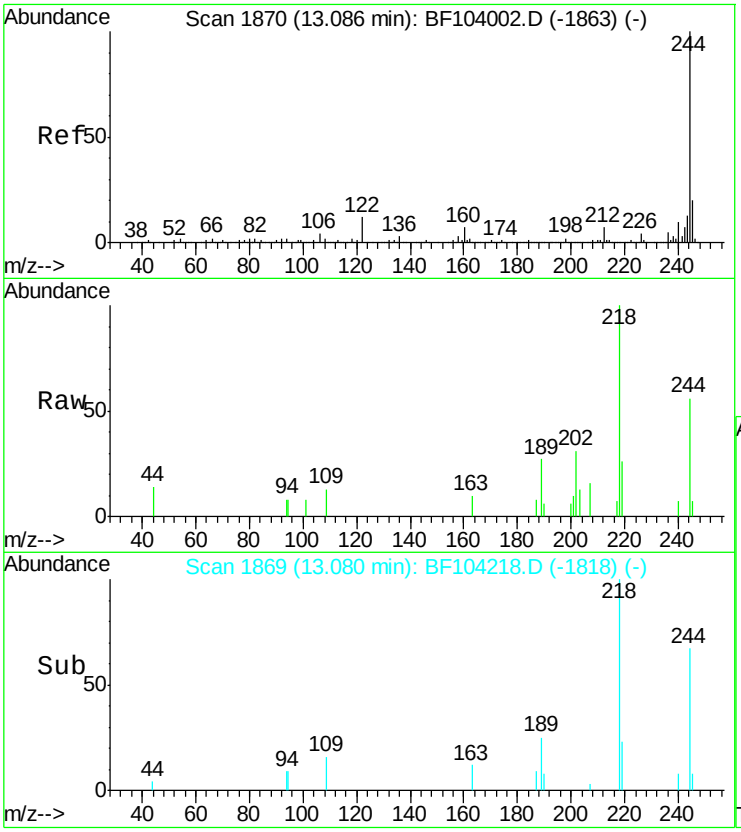


#77
Pyrene
Concen: 12.492 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:202 Resp: 196712

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.3	14.3	21.5



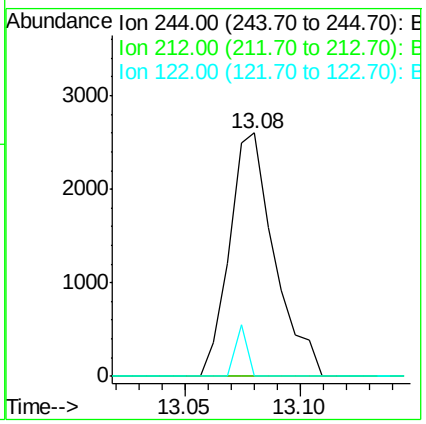


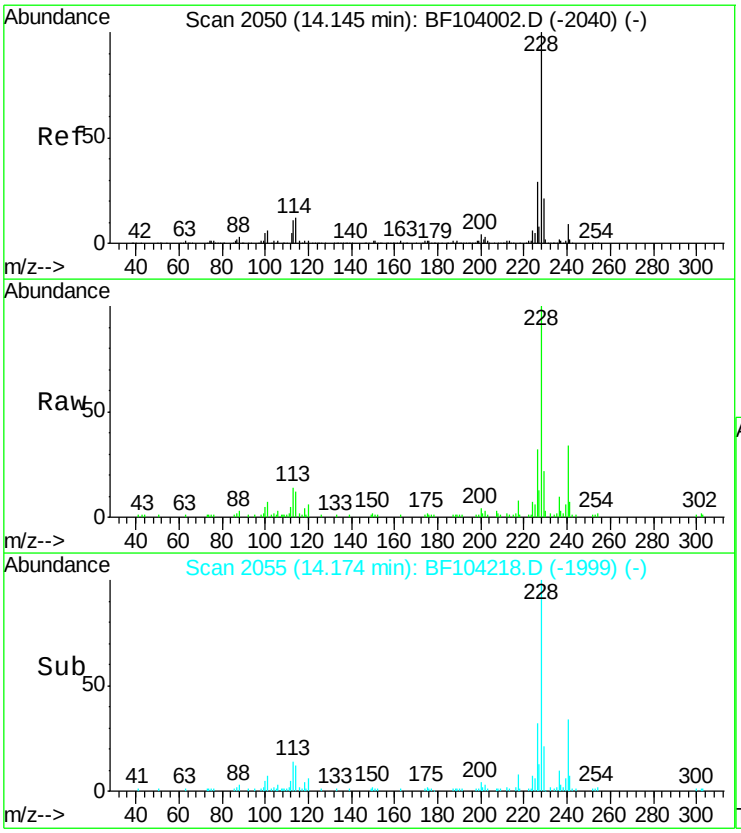
#78
Terphenyl-d14
Concen: 0.373 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 3536

Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.4	8.0#
122	0.0	11.0	16.4#

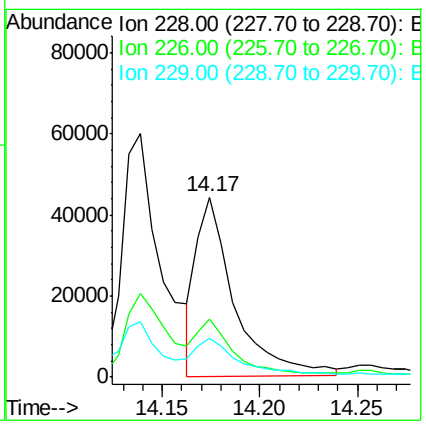


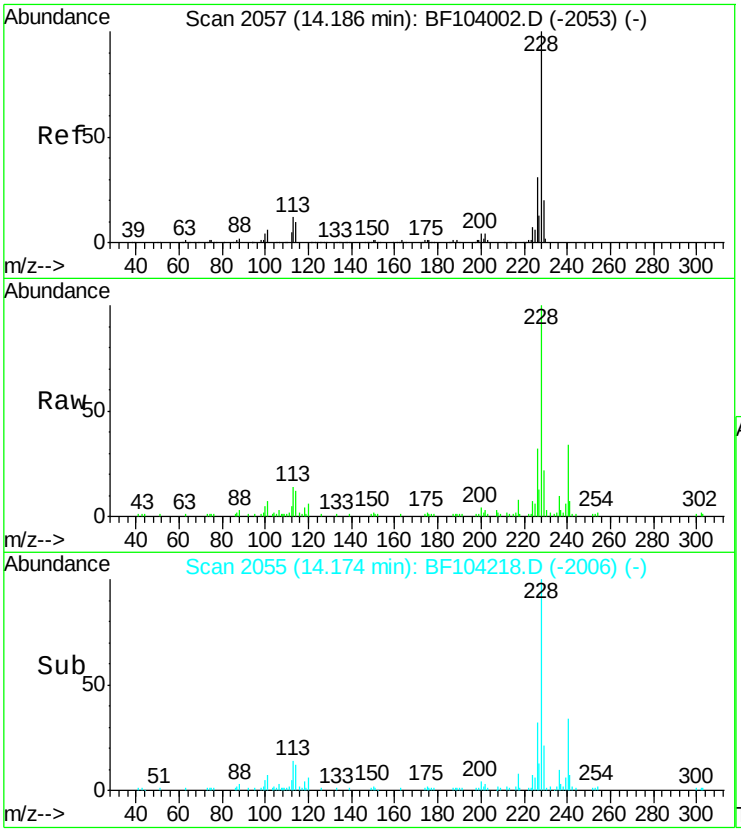


#80
Benzo(a)anthracene
Concen: 4.394 ng
RT: 14.17 min Scan# 2055
Delta R.T. 0.03 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:228 Resp: 60232

Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	21.8	15.8	23.6



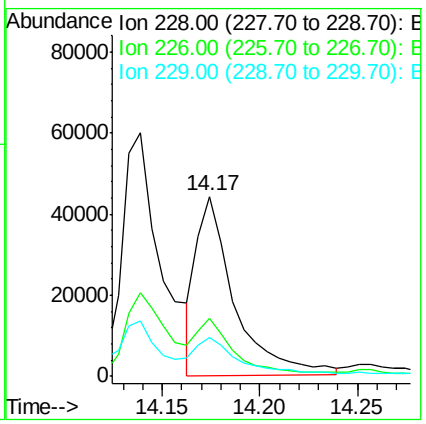


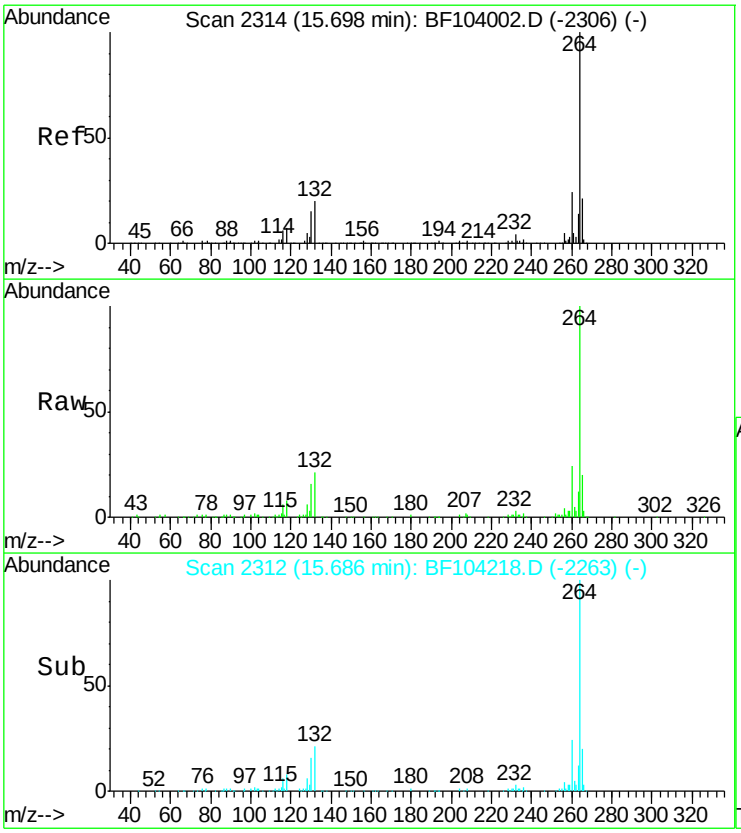
#82
Chrysene
Concen: 4.486 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 60232

Ion	Ratio	Lower	Upper
228	100		
226	32.2	25.0	37.6
229	21.8	16.2	24.4

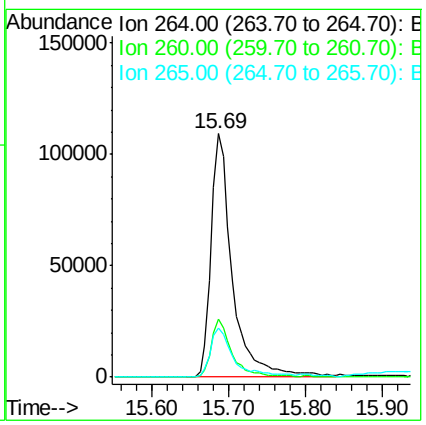


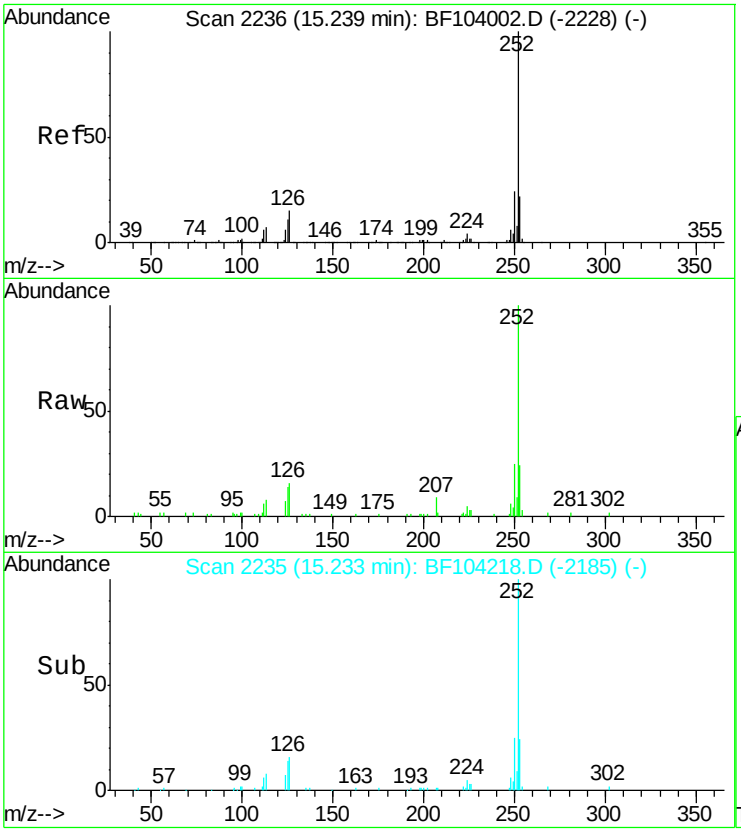


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:264 Resp: 208320

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	20.2	17.5	26.3



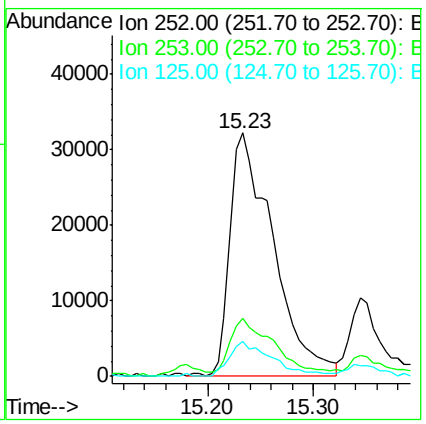


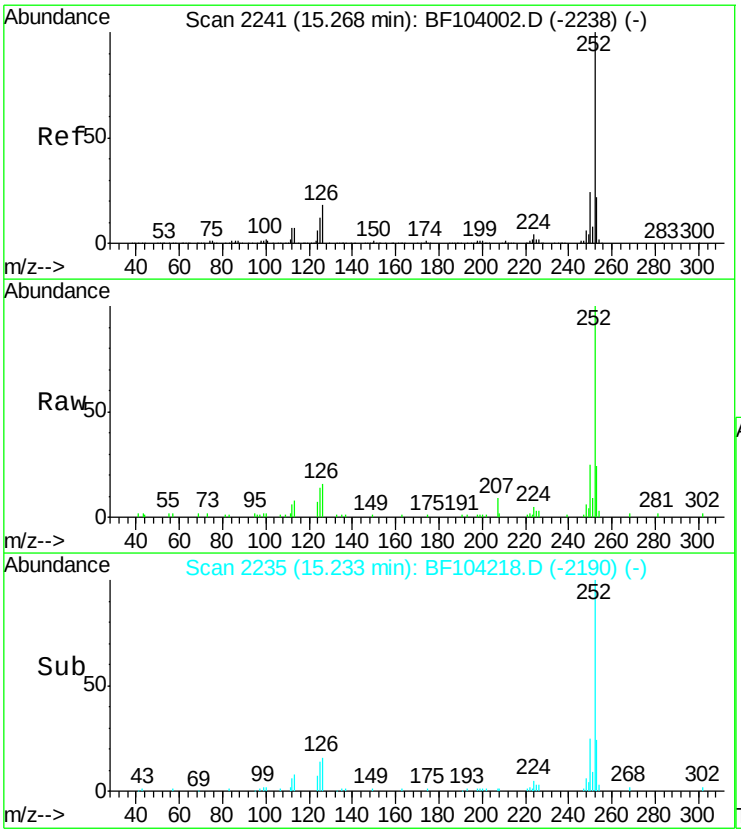
#87
Benzo(b)fluoranthene
Concen: 7.220 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 91533

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	14.2	9.0	13.6#

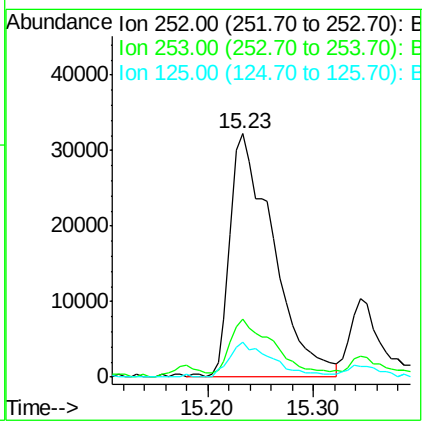


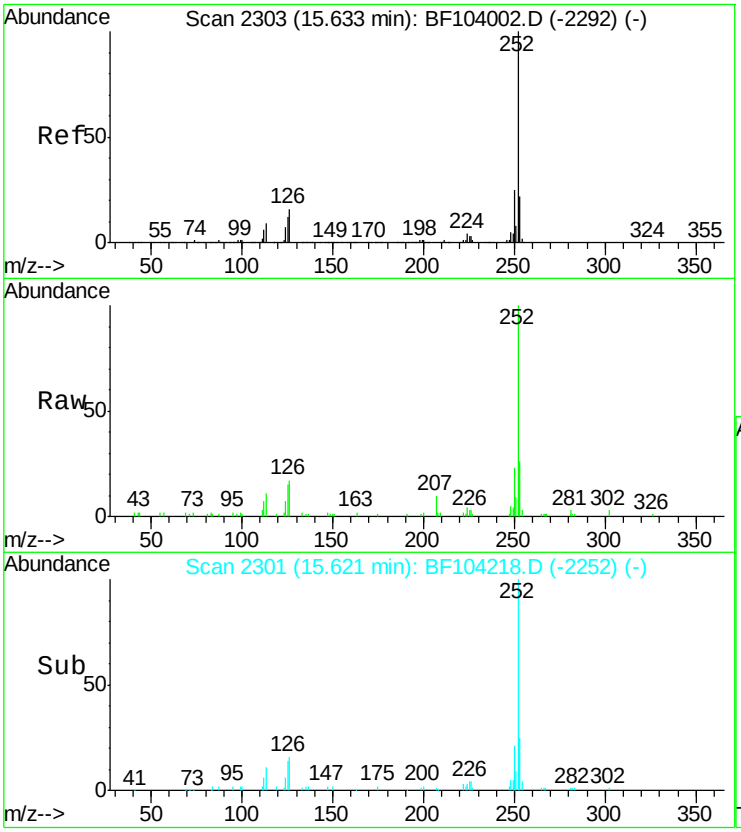


#88
Benzo(k)fluoranthene
Concen: 7.664 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.04 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Tgt Ion:252 Resp: 91533

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	14.2	10.2	15.2





#89
Benzo(a)pyrene
Concen: 4.472 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF104218.D
Acq: 4 Apr 2018 10:12

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 52535

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	15.1	9.8	14.6#