Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021517\
Data File : BF092971.D
Acq On : 16 Feb 2017 00:31
Operator : SJ/MA
Sample : I1822-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 16 02:45:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	149844	20.00	ng		-0.01
21) Naphthalene-d8	8.16	136	604404	20.00	ng		-0.01
38) Acenaphthene-d10	9.90	164	310981	20.00	ng		-0.02
63) Phenanthrene-d10	11.39	188	498090	20.00	ng		-0.01
75) Chrysene-d12	14.02	240	320677	20.00	ng		-0.03
86) Perylene-d12	15.46	264	306541	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.47	112	1020548	116.85	ng		-0.01
7) Phenol-d6	6.51	99	1315456	117.06	ng		-0.02
23) Nitrobenzene-d5	7.45	82	942878	86.87	ng		-0.01
41) 2,4,6-Tribromophenol	10.70	330	256272	113.94	ng		-0.01
44) 2-Fluorobiphenyl	9.24	172	1530776	89.18	ng		0.00
78) Terphenyl-d14	12.98	244	1170029	85.73	ng		-0.01
Target Compounds							Qvalue
10) Phenol	6.52	94	39110	2.97	ng		80
19) n-Nitroso-di-n-propylamine	7.45	70	123216	17.22	ng	#	74
25) Isophorone	7.45	82	879128	43.47	ng	#	65
32) Benzoic acid	7.96	122	252	7.21	ng	#	1
49) Dimethylphthalate	9.63	163	504004	24.06	ng		100
55) 4-Nitrophenol	10.11	139	8304	2.23	ng	#	7
56) 2,4-Dinitrotoluene	9.90	165	39767	6.60	ng	#	20
64) 4,6-Dinitro-2-methylphenol	10.69	198	449	2.81	ng	#	1
66) 4-Bromophenyl-phenylether	10.69	248	17243	3.31	ng	#	1
70) Phenanthrene	11.41	178	577059	20.22	ng		98
71) Anthracene	11.47	178	129796	4.53	ng		95
74) Fluoranthene	12.60	202	751560	25.53	ng		97
77) Pyrene	12.83	202	711045	29.63	ng		98
80) Benzo(a)anthracene	14.02	228	312494	15.93	ng		96
82) Chrysene	14.02	228	312494	17.02	ng		99
85) Indeno(1,2,3-cd)pyrene	16.87	276	135208	9.51	ng		99
87) Benzo(b)fluoranthene	15.05	252	406985	20.17	ng		100
88) Benzo(k)fluoranthene	15.05	252	406985	23.36	ng		98
89) Benzo(a)pyrene	15.15	252	49766	2.85	ng		92
90) Dibenzo(a,h)anthracene	16.88	278	44020	3.12	ng		97
91) Benzo(g,h,i)perylene	17.29	276	124420	8.73	ng	#	88

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

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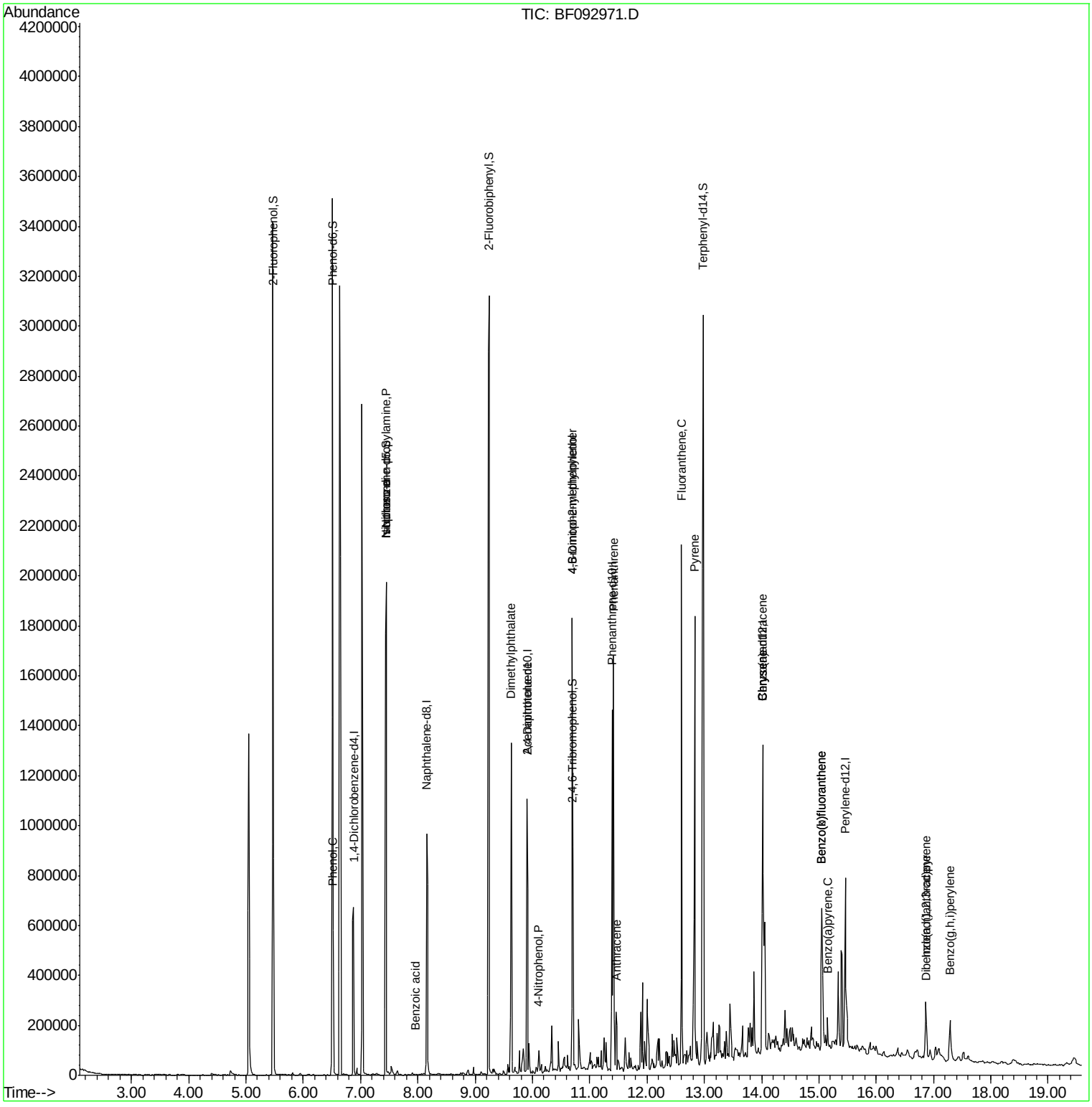
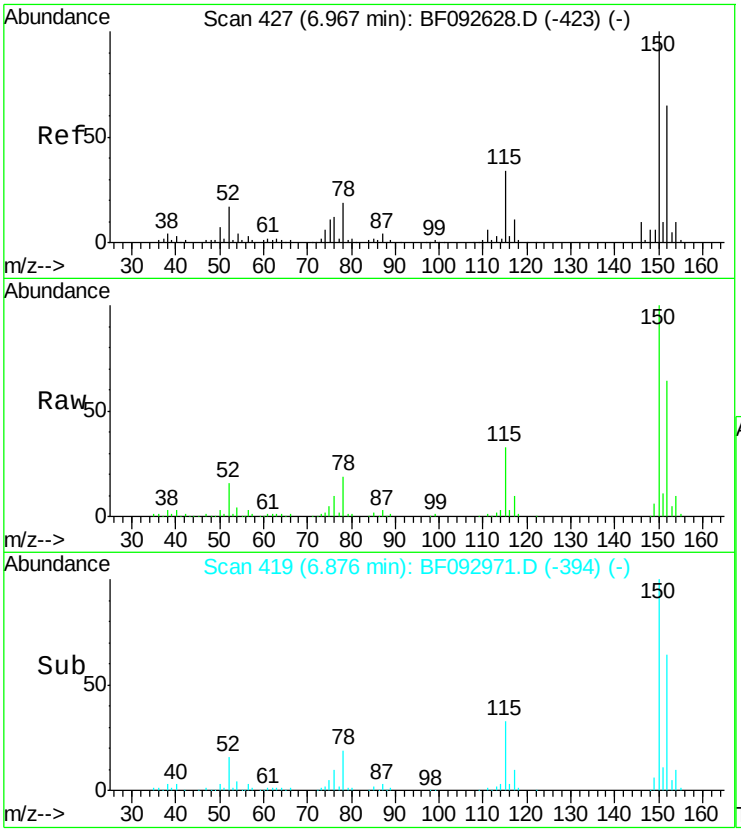


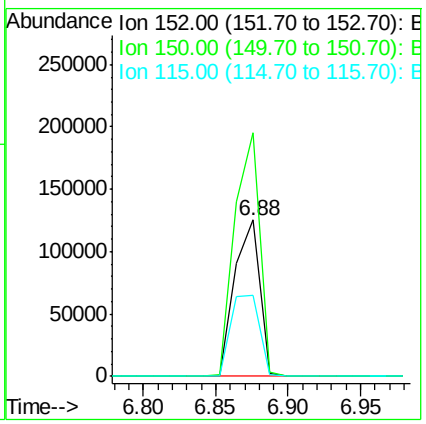


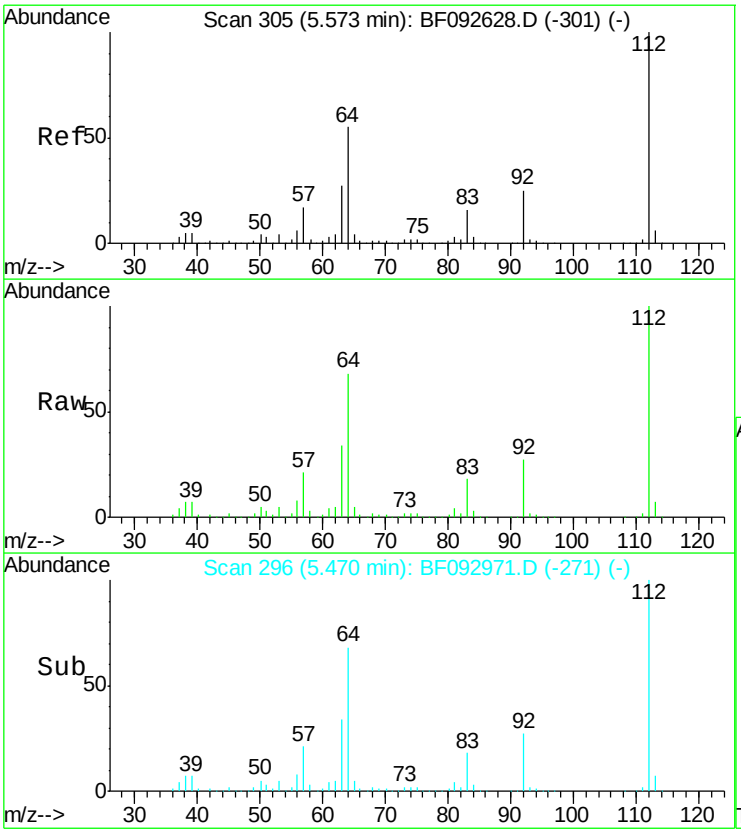
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 149844

Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.9	187.3
115	52.1	46.0	69.0

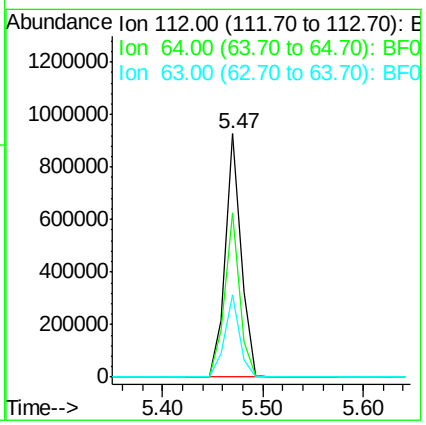


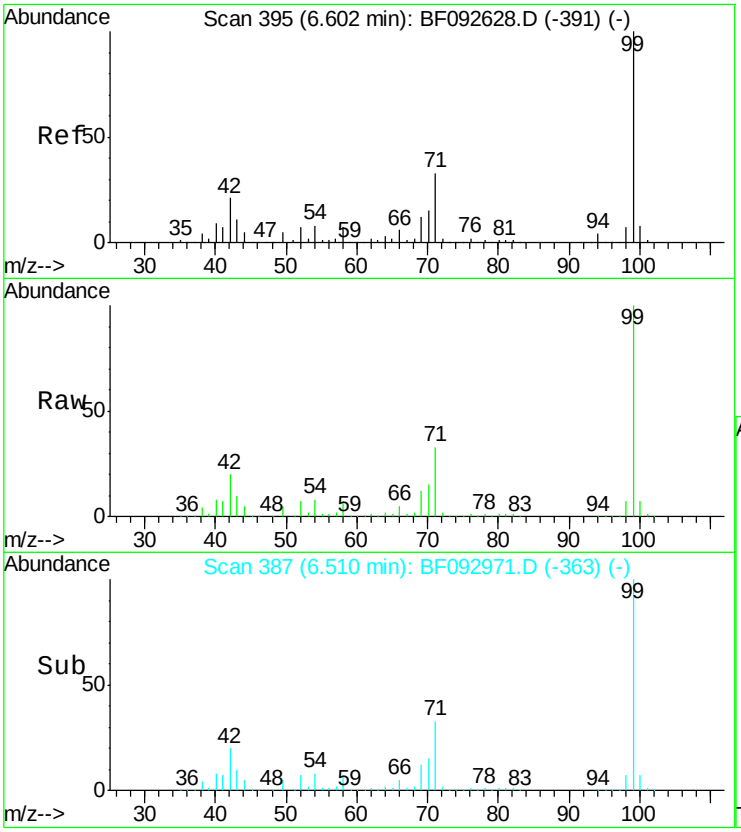


#5
2-Fluorophenol
Concen: 116.85 ng
RT: 5.47 min Scan# 296
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:112 Resp: 1020548

Ion	Ratio	Lower	Upper
112	100		
64	67.6	46.1	69.1
63	33.6	23.8	35.6



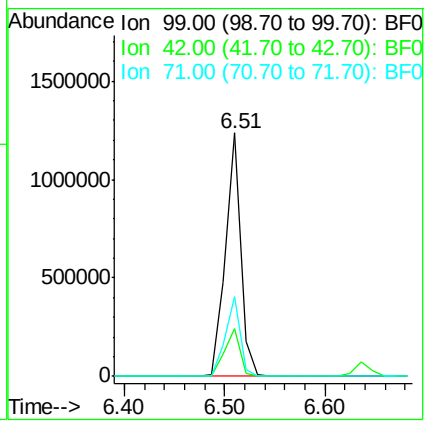


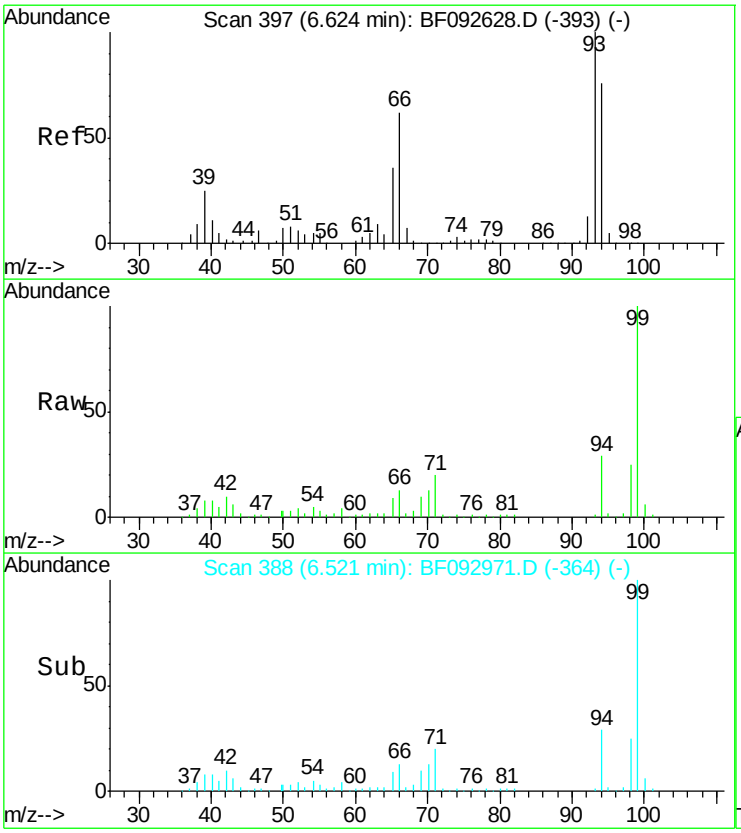
#7
Phenol-d6
Concen: 117.06 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 1315456

Ion	Ratio	Lower	Upper
99	100		
42	19.5	15.6	23.4
71	32.7	27.5	41.3

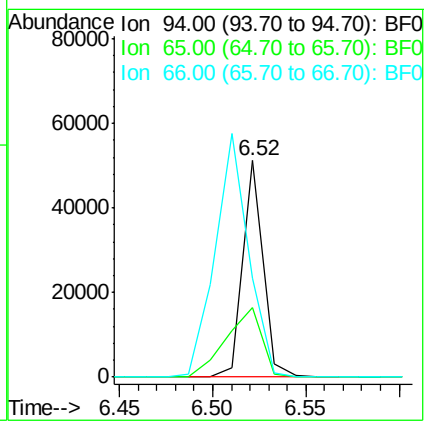


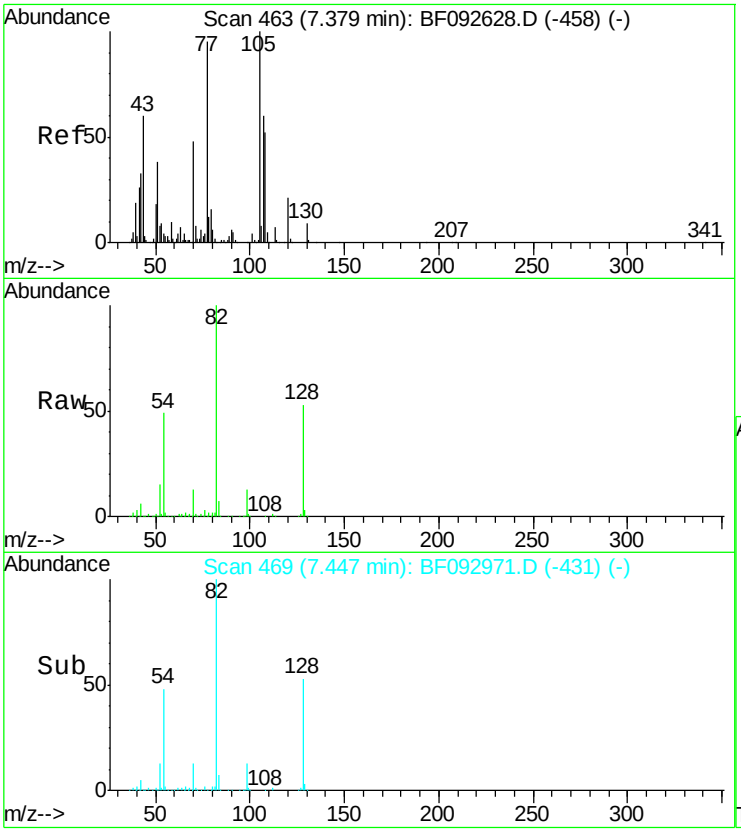


#10
Phenol
Concen: 2.97 ng
RT: 6.52 min Scan# 388
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion: 94 Resp: 39110

Ion	Ratio	Lower	Upper
94	100		
65	32.1	21.4	61.4
66	45.7	44.0	84.0



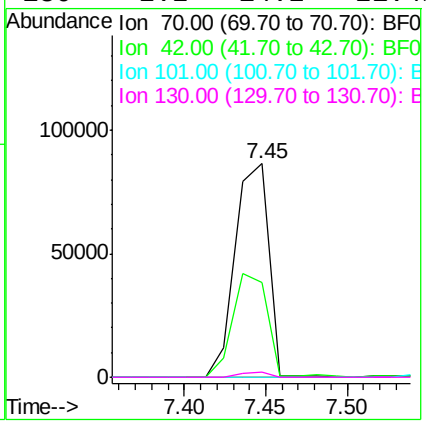


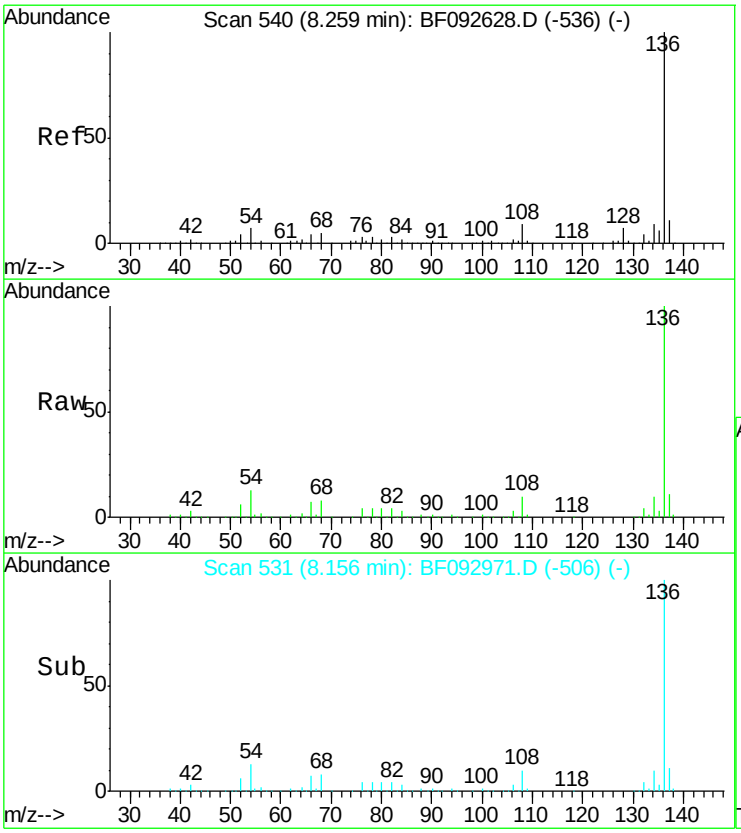
#19
n-Nitroso-di-n-propylamine
Concen: 17.22 ng
RT: 7.45 min Scan# 469
Delta R.T. 0.14 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 123216

Ion	Ratio	Lower	Upper
70	100		
42	44.1	49.4	74.0#
101	0.0	7.4	11.2#
130	2.2	14.2	21.4#

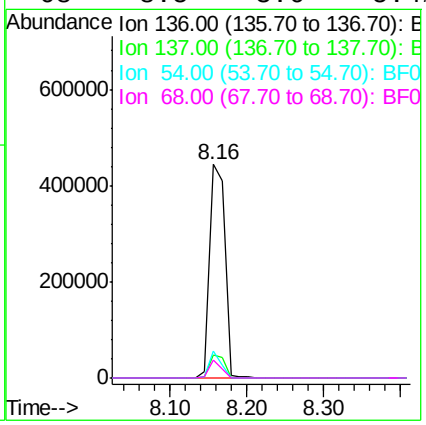


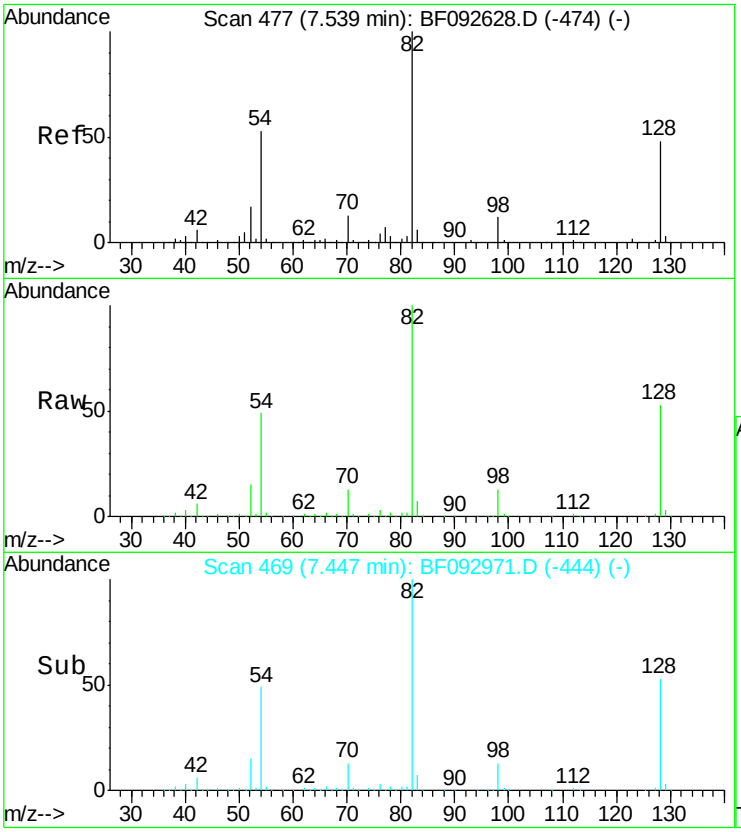


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 531
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:136 Resp: 604404

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	12.8	4.5	6.7#
68	8.5	3.6	5.4#



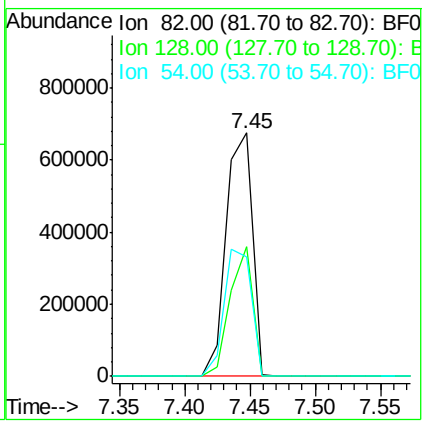


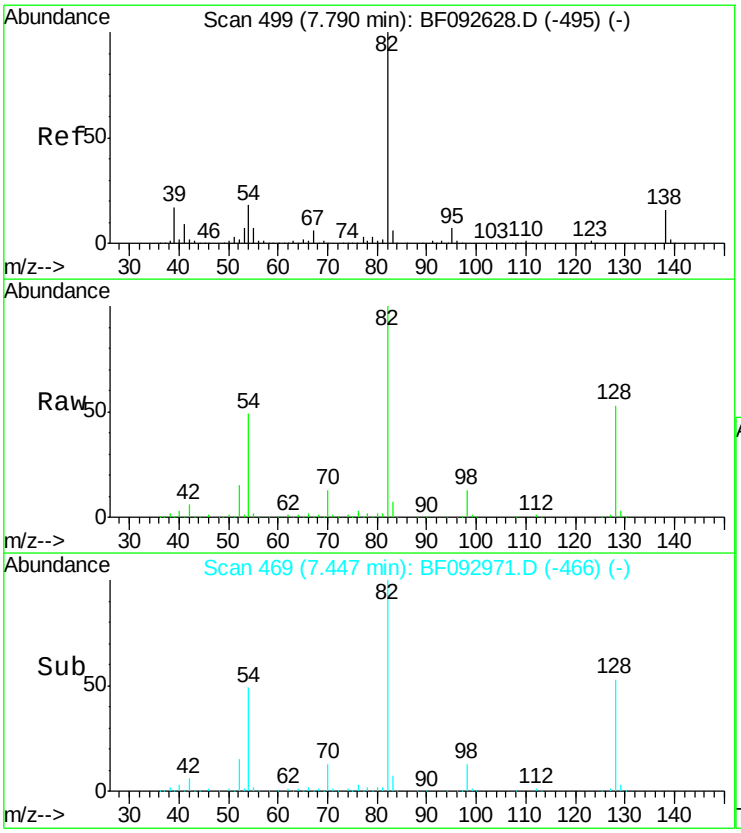
#23
Nitrobenzene-d5
Concen: 86.87 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 942878

Ion	Ratio	Lower	Upper
82	100		
128	53.1	34.6	52.0#
54	49.0	39.5	59.3

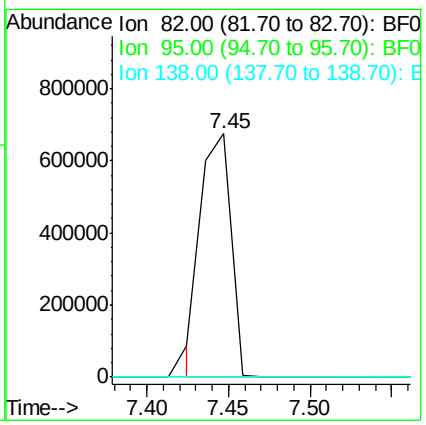


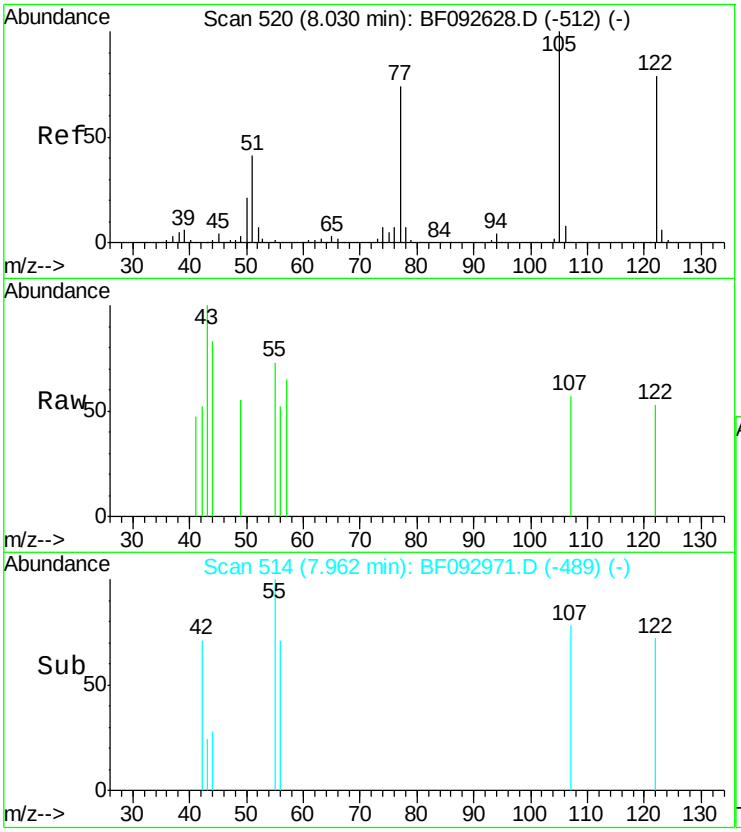


#25
Isophorone
Concen: 43.47 ng
RT: 7.45 min Scan# 469
Delta R.T. -0.26 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion: 82 Resp: 879128

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.6	22.0#



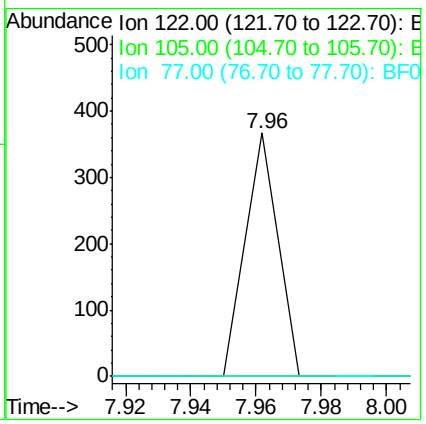


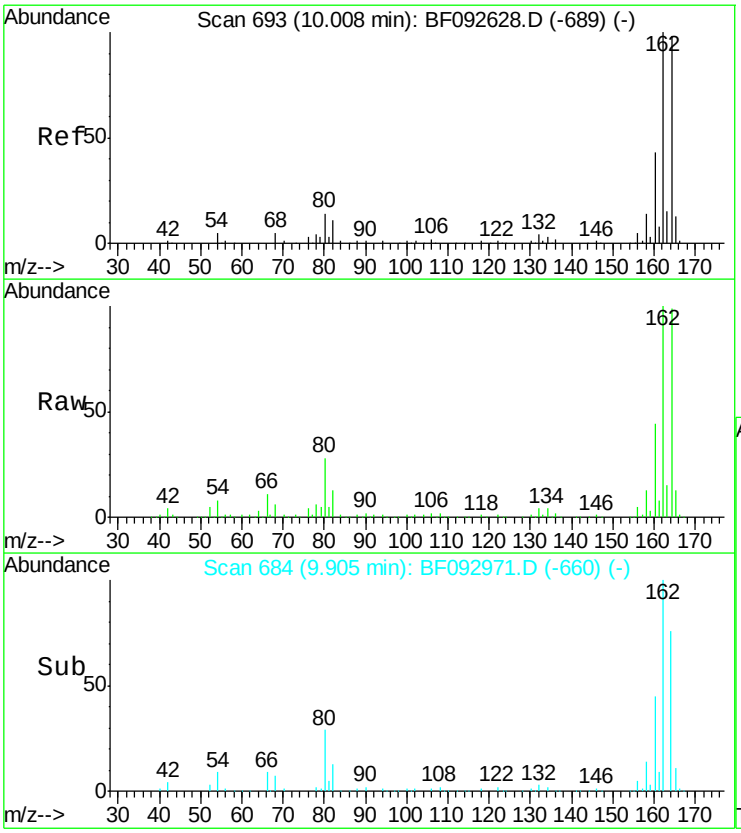
#32
Benzoic acid
Concen: 7.21 ng
RT: 7.96 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 252

Ion	Ratio	Lower	Upper
122	100		
105	0.0	107.2	147.2#
77	0.0	74.5	114.5#

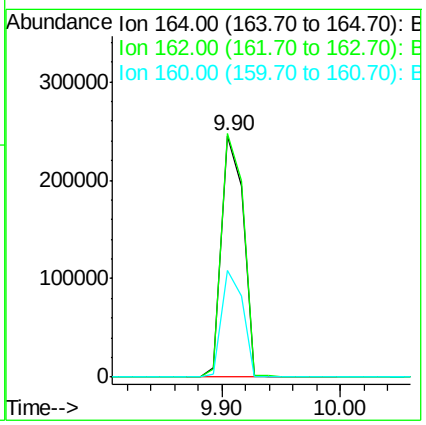


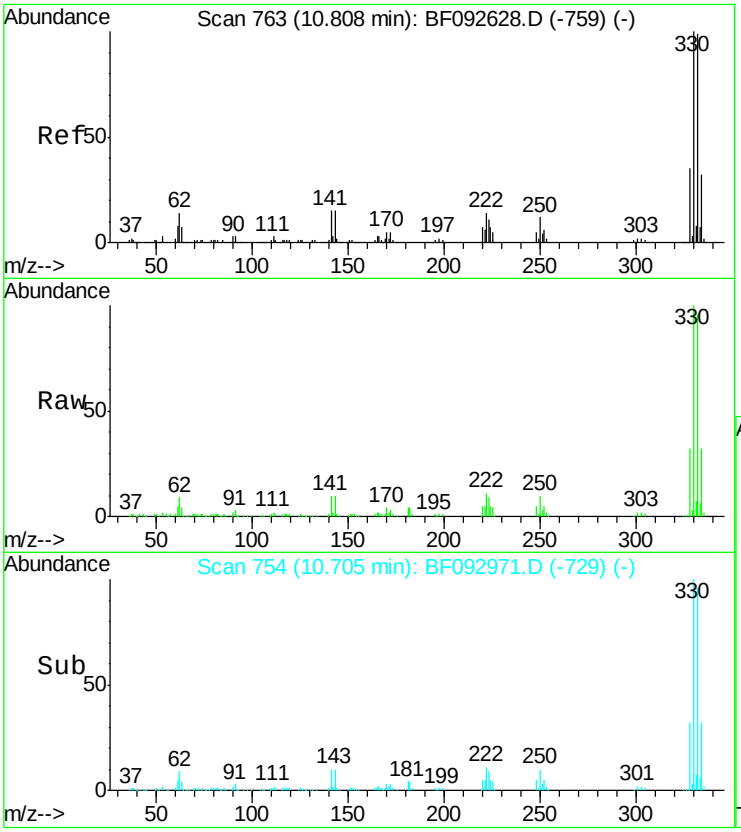


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:164 Resp: 310981

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.2	120.2
160	44.0	36.9	55.3



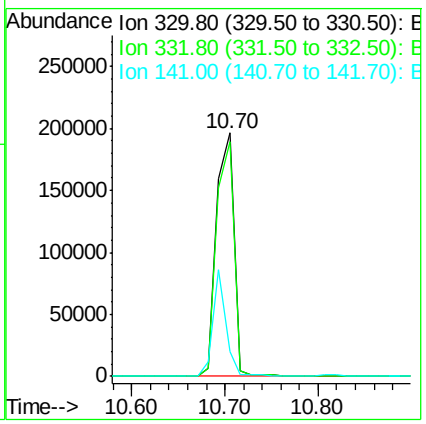


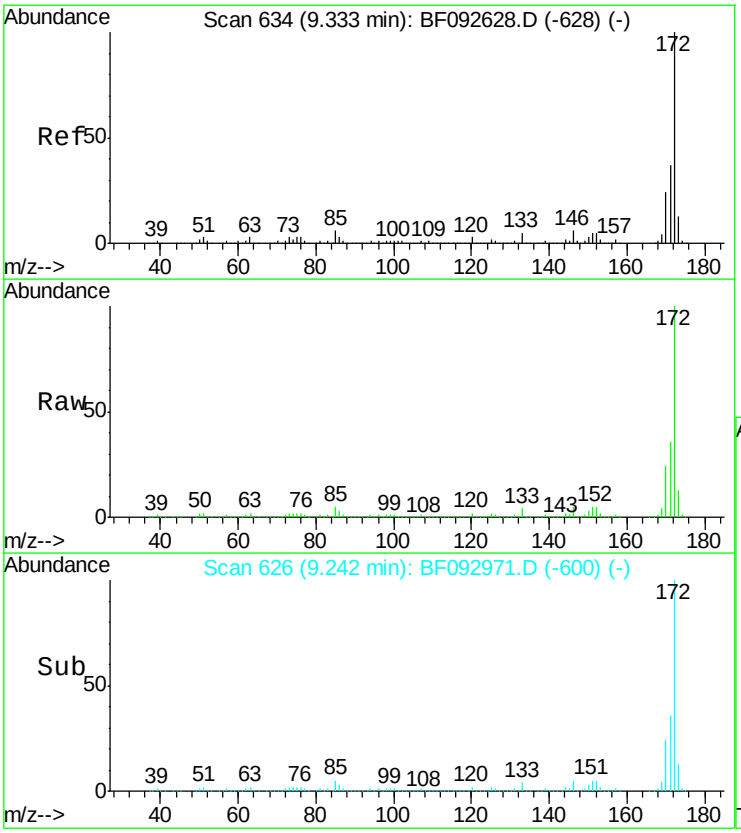
#41
2,4,6-Tribromophenol
Concen: 113.94 ng
RT: 10.70 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 256272

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.4	116.2
141	33.2	34.1	51.1#

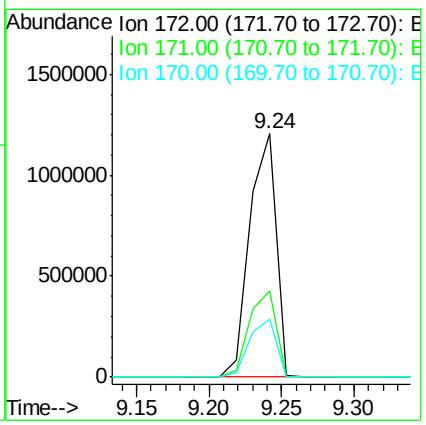


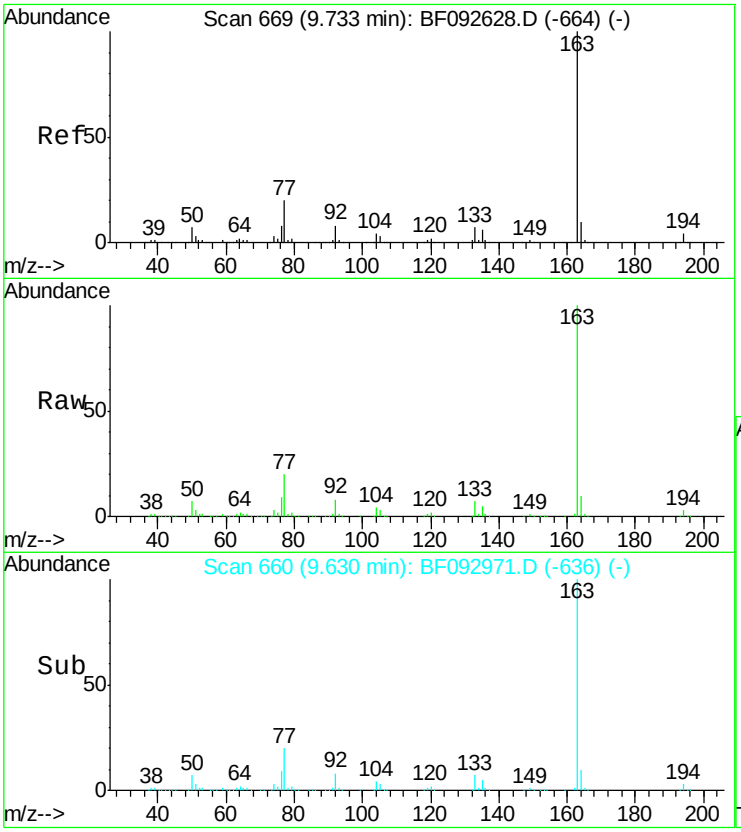


#44
2-Fluorobiphenyl
Concen: 89.18 ng
RT: 9.24 min Scan# 626
Delta R.T. -0.00 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:172 Resp: 1530776

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.4	44.0
170	23.9	20.2	30.4



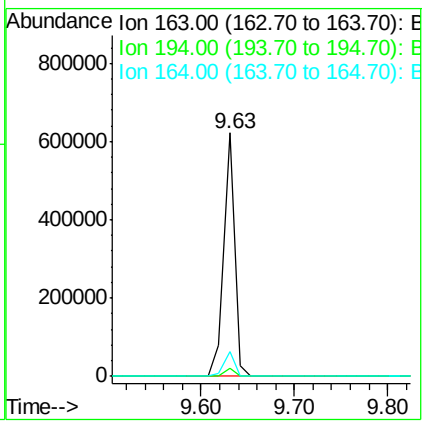


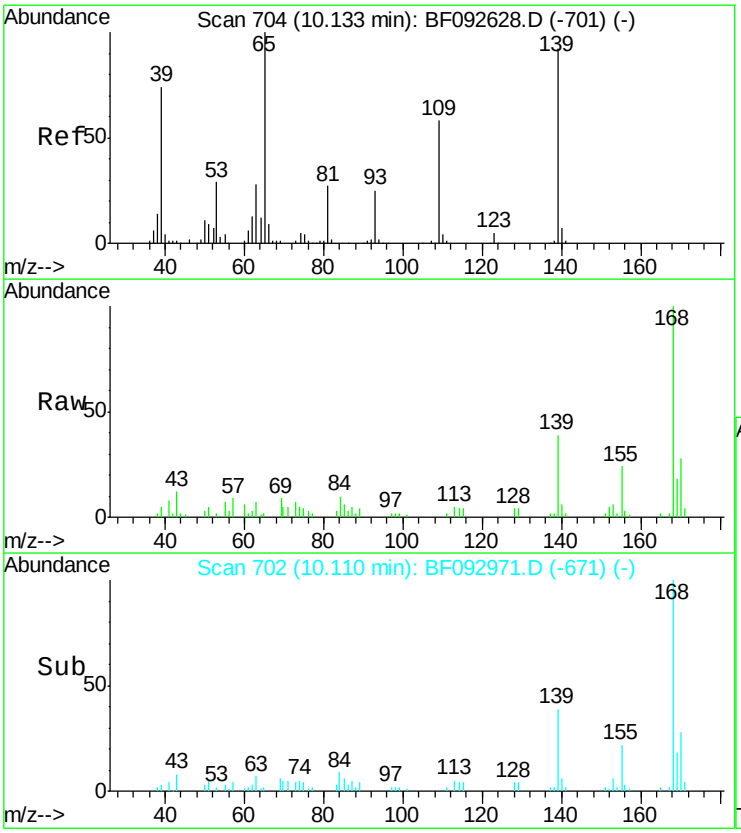
#49
Dimethylphthalate
Concen: 24.06 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 504004

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.1	8.0	12.0

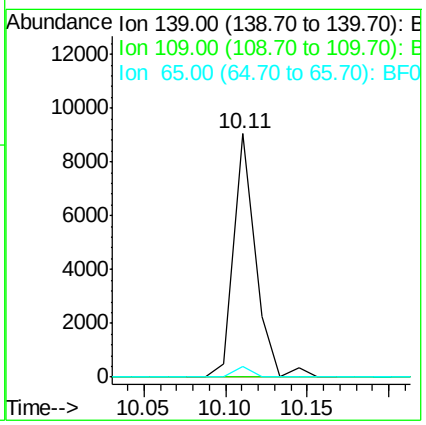


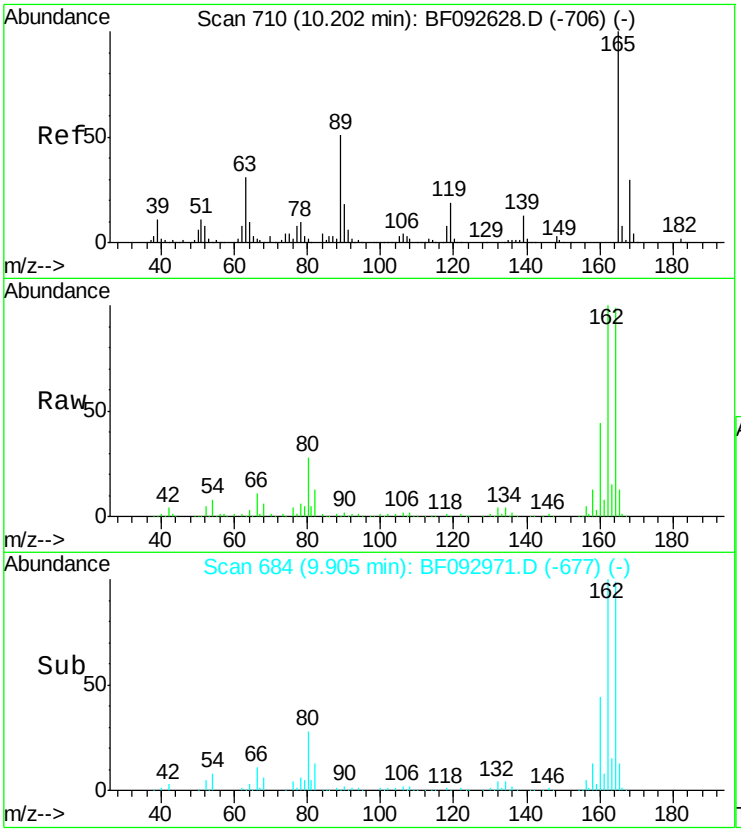


#55
4-Nitrophenol
Concen: 2.23 ng
RT: 10.11 min Scan# 702
Delta R.T. 0.06 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:139 Resp: 8304

Ion	Ratio	Lower	Upper
139	100		
109	0.0	52.2	92.2#
65	4.4	85.8	125.8#



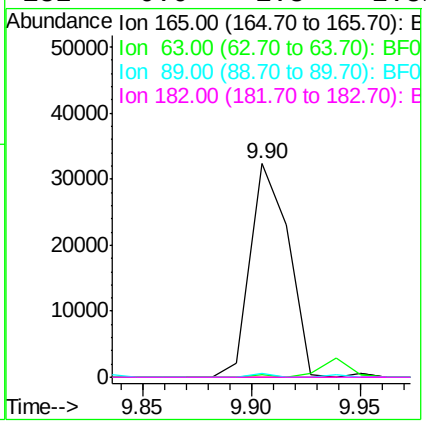


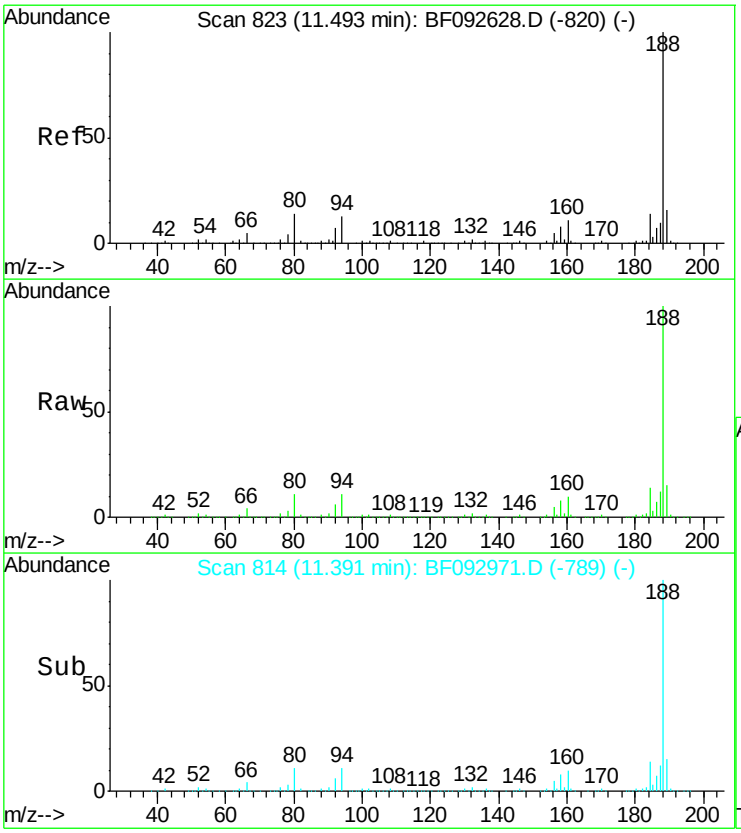
#56
2,4-Dinitrotoluene
Concen: 6.60 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.22 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 39767

Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.2	60.4#
89	1.6	62.5	93.7#
182	0.0	1.8	2.8#

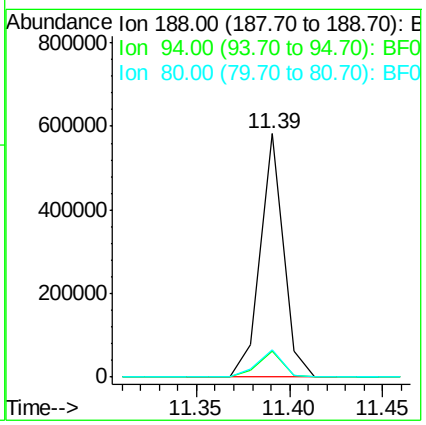


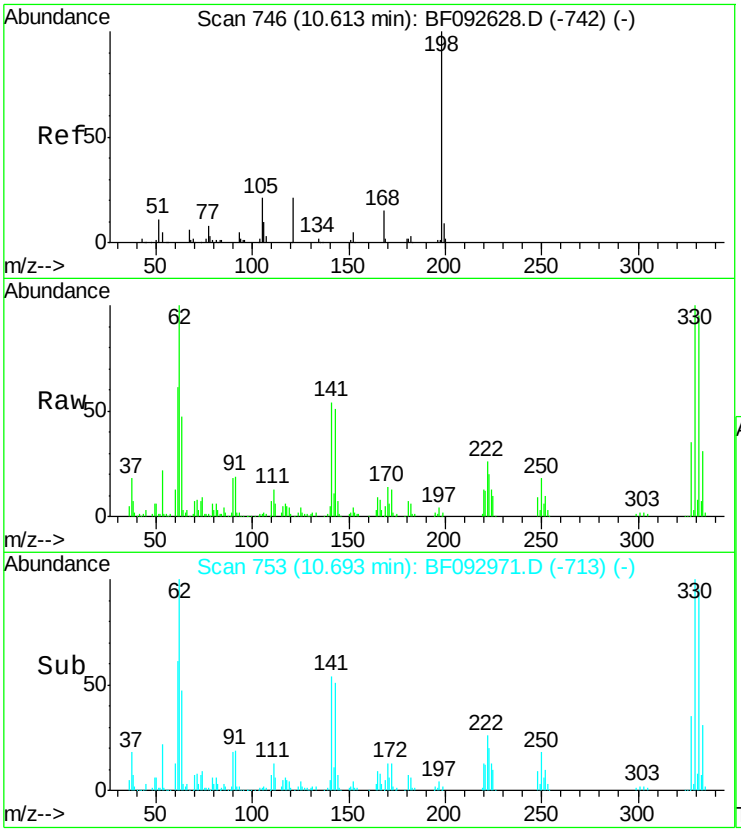


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:188 Resp: 498090

Ion	Ratio	Lower	Upper
188	100		
94	10.7	10.0	15.0
80	11.2	11.2	16.8



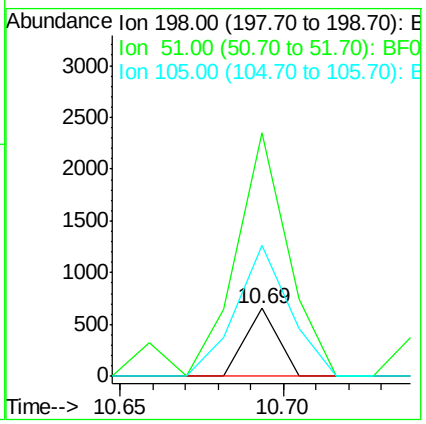


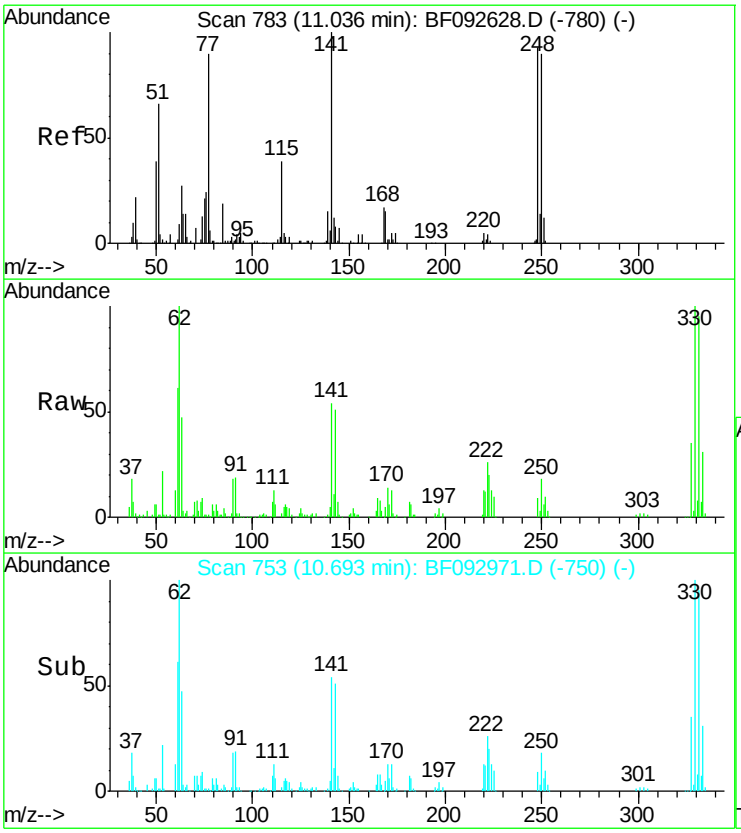
#64
4,6-Dinitro-2-methylphenol
Concen: 2.81 ng
RT: 10.69 min Scan# 753
Delta R.T. 0.16 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:198 Resp: 449

Ion	Ratio	Lower	Upper
198	100		
51	358.9	6.7	46.7#
105	193.0	16.6	56.6#

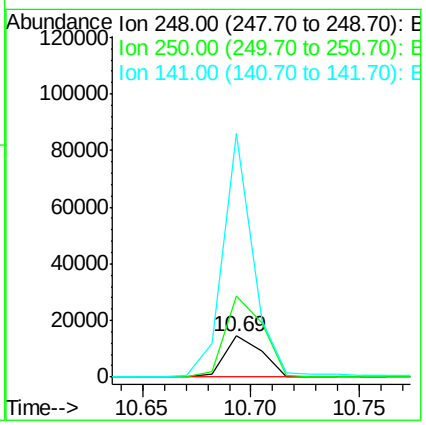


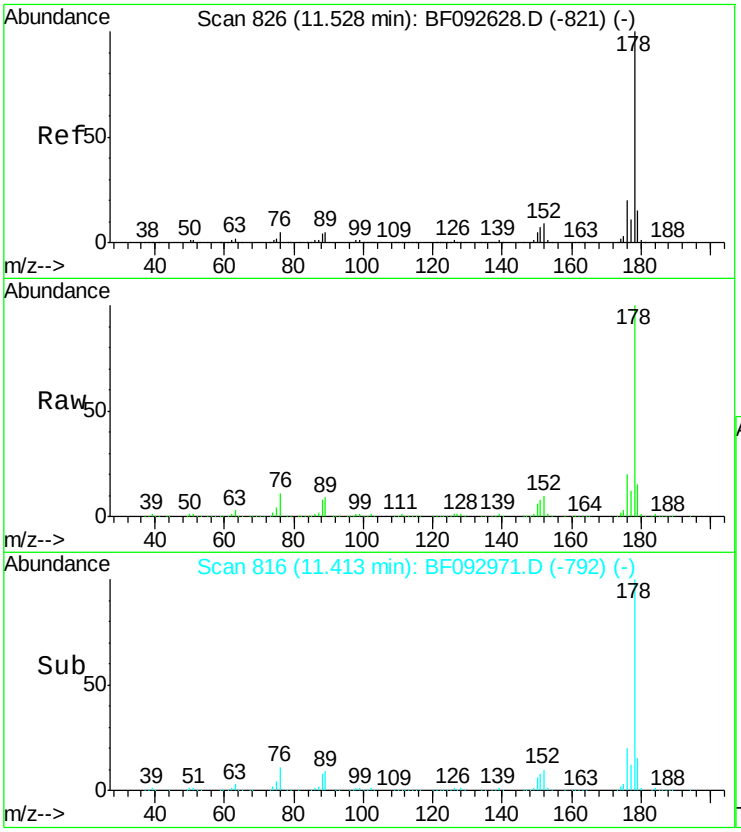


#66
4-Bromophenyl-phenylether
Concen: 3.31 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.26 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:248 Resp: 17243

Ion	Ratio	Lower	Upper
248	100		
250	198.0	76.9	115.3#
141	590.2	68.2	102.4#



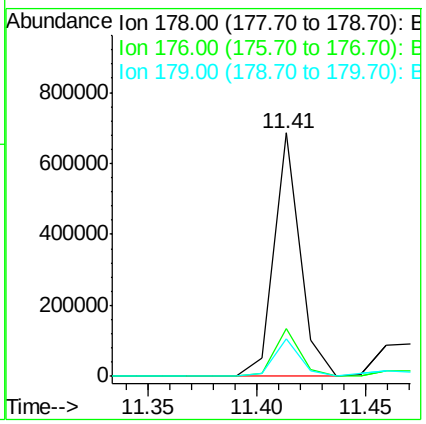


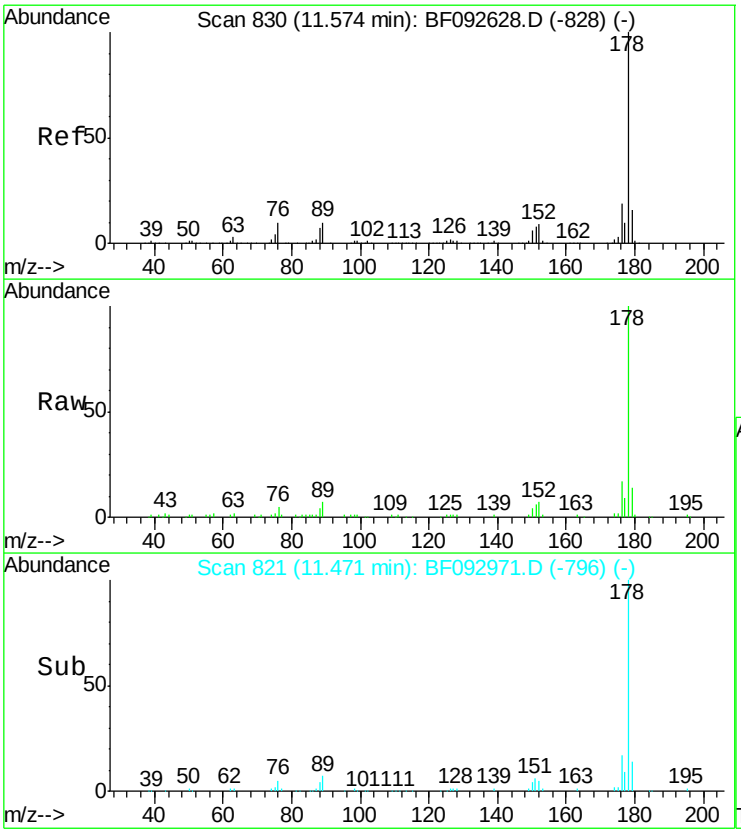
#70
Phenanthrene
Concen: 20.22 ng
RT: 11.41 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 577059

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.6	25.0
179	15.5	12.8	19.2

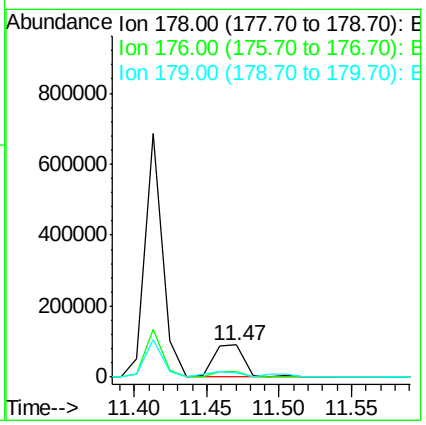


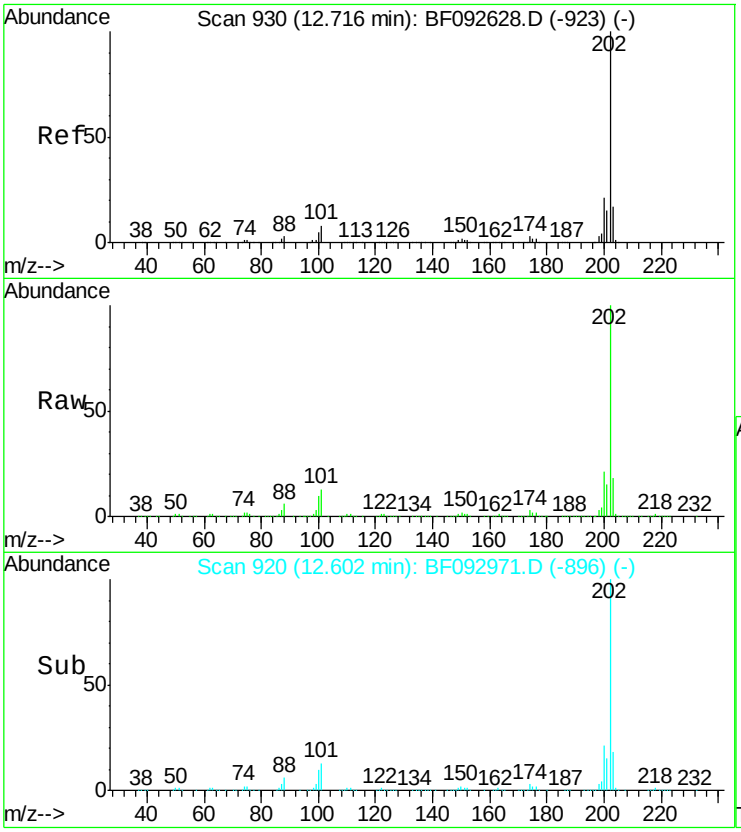


#71
Anthracene
Concen: 4.53 ng
RT: 11.47 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:178 Resp: 129796

Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.9	23.9
179	14.5	13.2	19.8



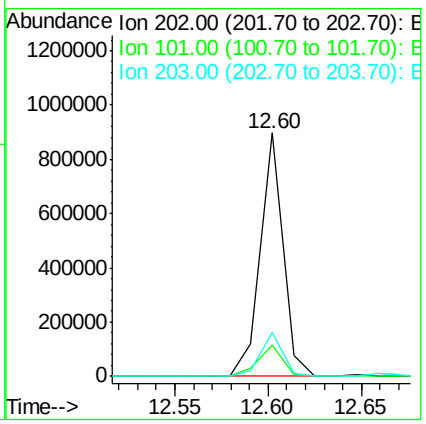


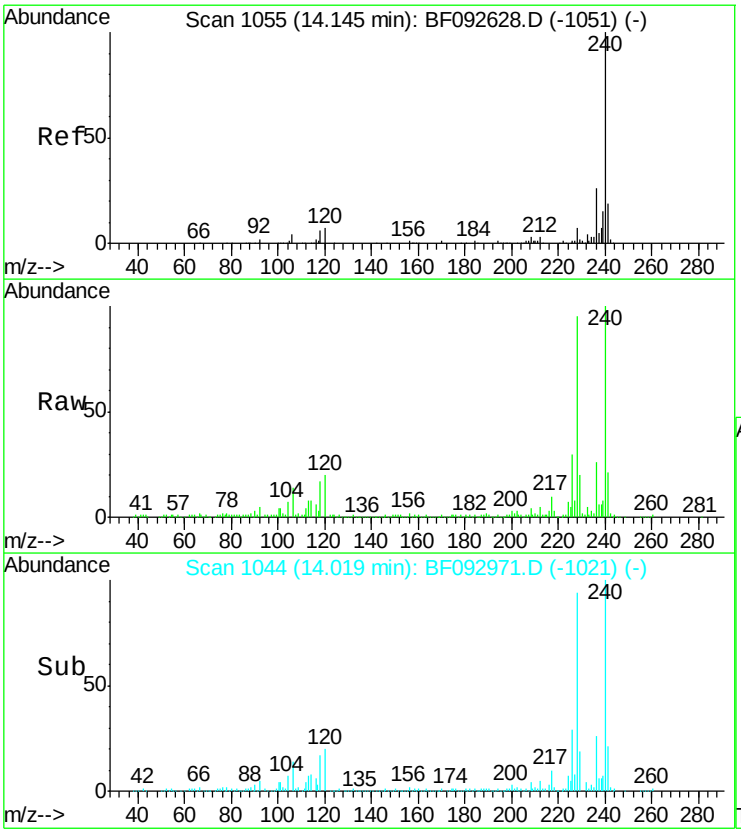
#74
Fluoranthene
Concen: 25.53 ng
RT: 12.60 min Scan# 920
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 751560

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.6
203	17.8	0.0	38.7

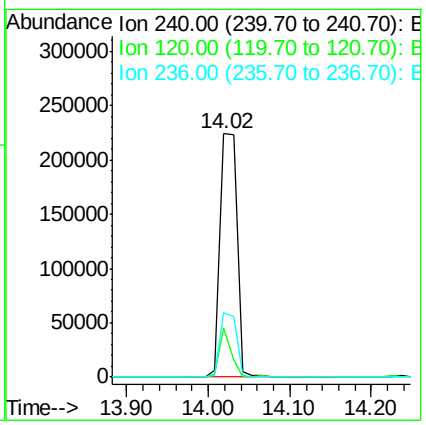


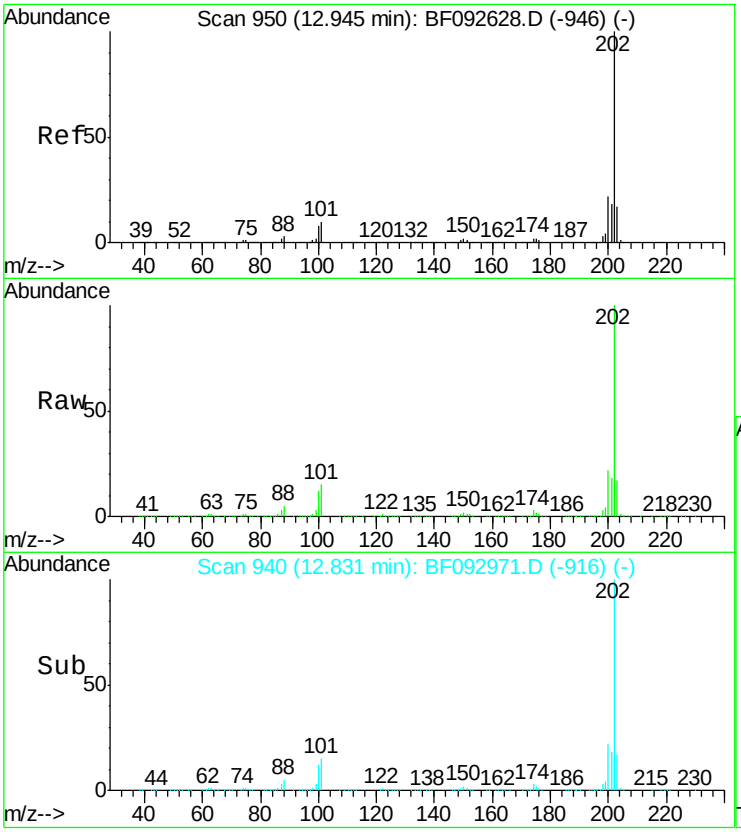


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.03 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:240 Resp: 320677

Ion	Ratio	Lower	Upper
240	100		
120	20.1	12.9	19.3#
236	26.4	20.9	31.3



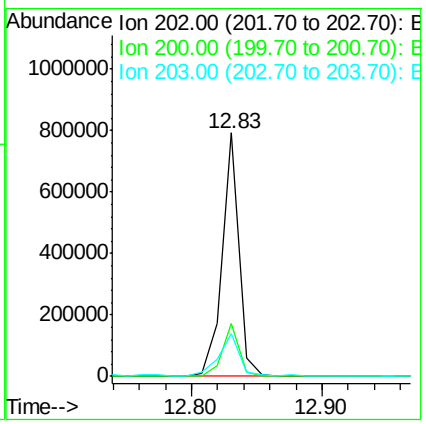


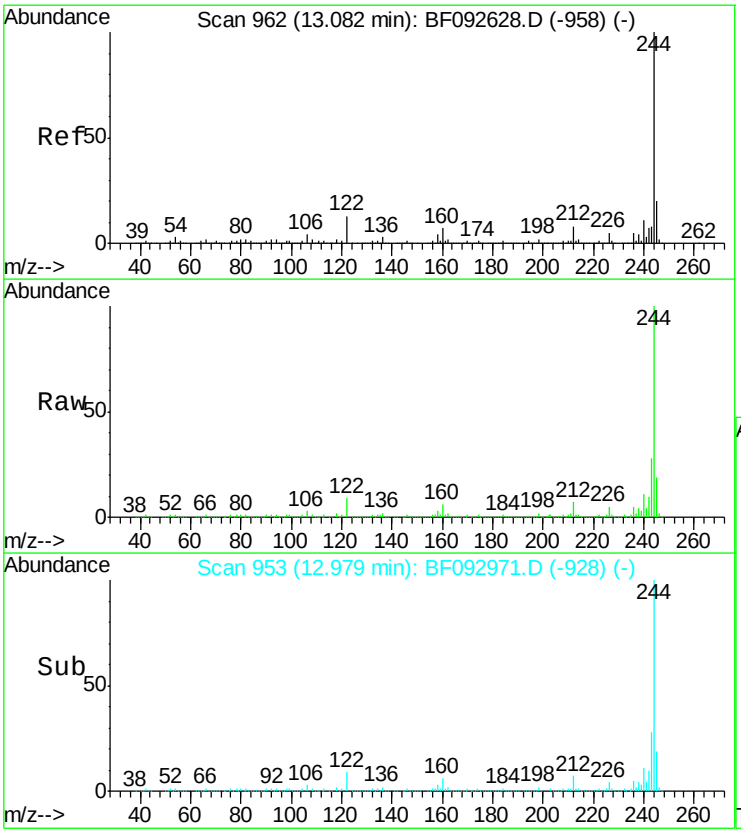
#77
Pyrene
Concen: 29.63 ng
RT: 12.83 min Scan# 940
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 711045

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.7	26.5
203	17.5	14.7	22.1

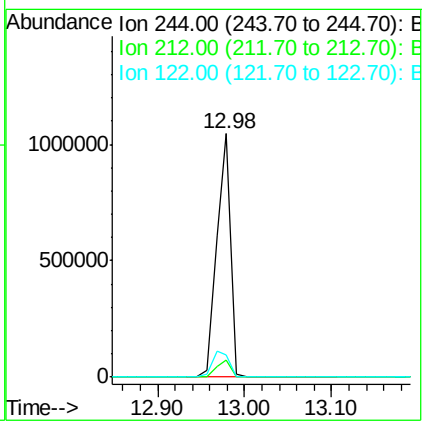


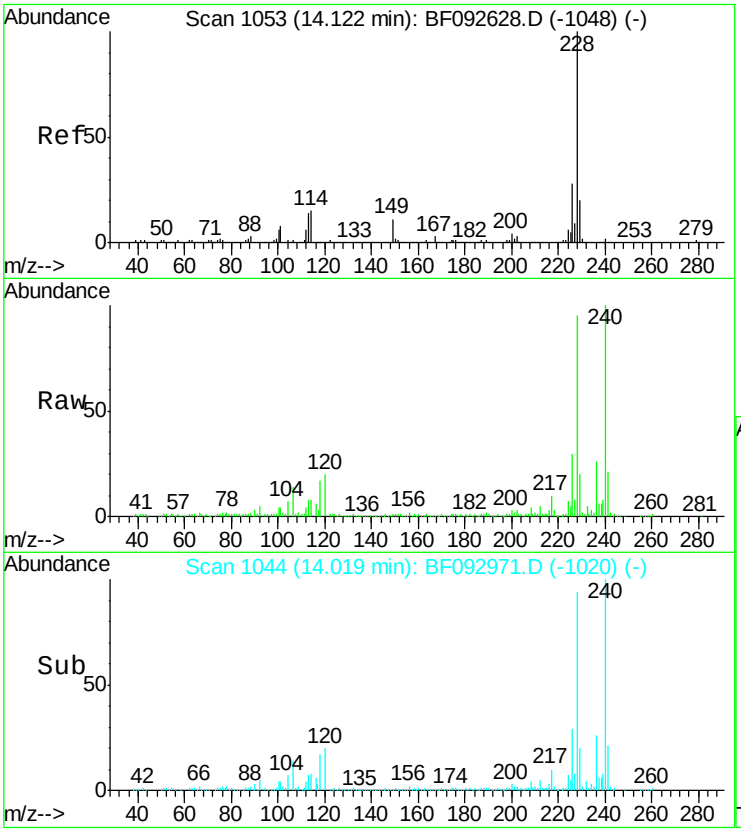


#78
Terphenyl-d14
Concen: 85.73 ng
RT: 12.98 min Scan# 953
Delta R.T. -0.01 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:244 Resp: 1170029

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.2	9.2
122	9.1	11.4	17.2#



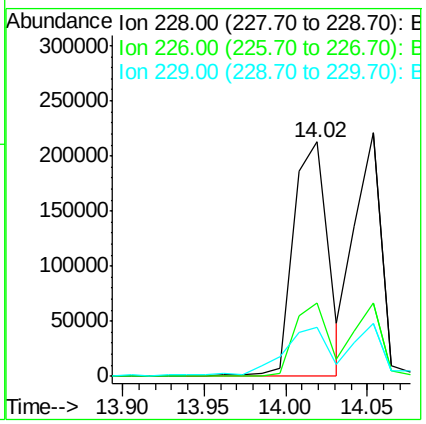


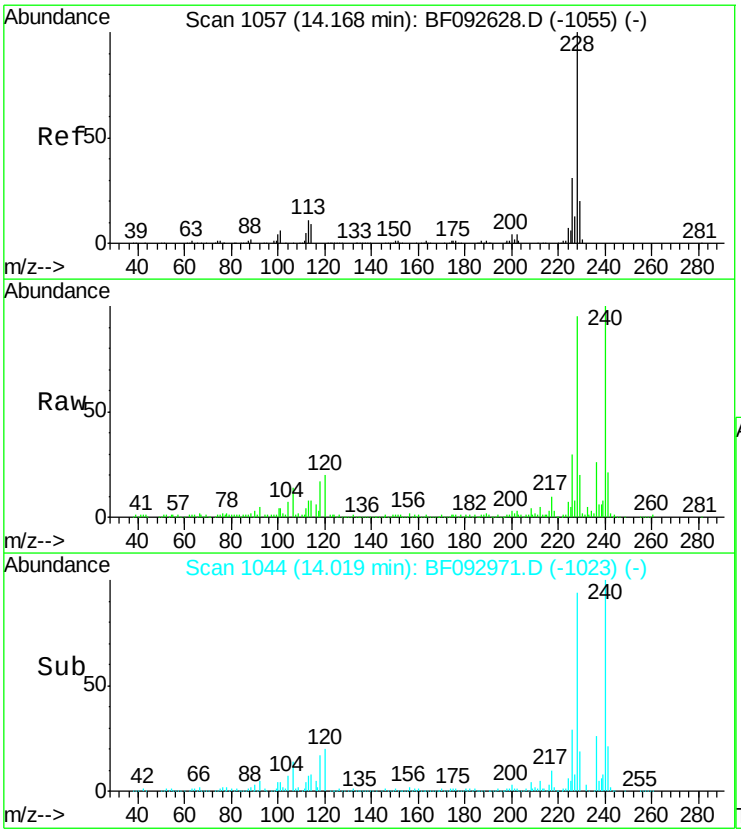
#80
Benzo(a)anthracene
Concen: 15.93 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 312494

Ion	Ratio	Lower	Upper
228	100		
226	31.2	22.4	33.6
229	21.0	16.2	24.4

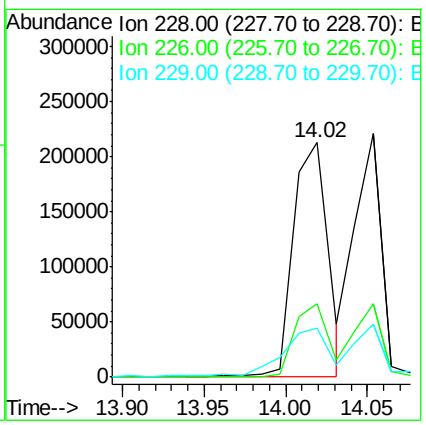


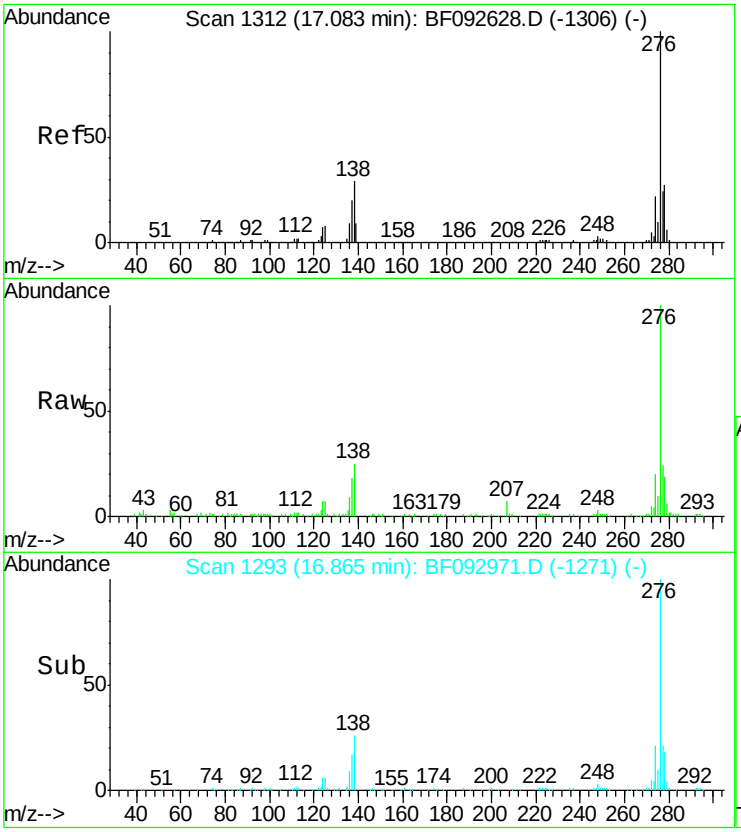


#82
Chrysene
Concen: 17.02 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.06 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:228 Resp: 312494

Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.4	38.0
229	21.0	16.2	24.2



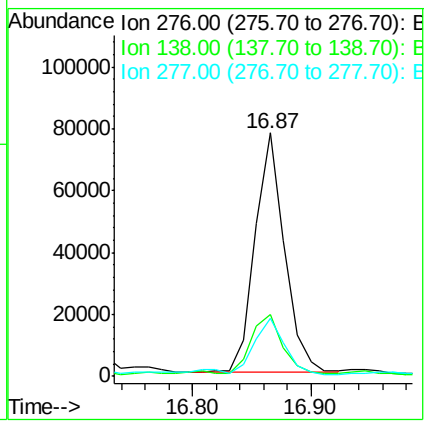


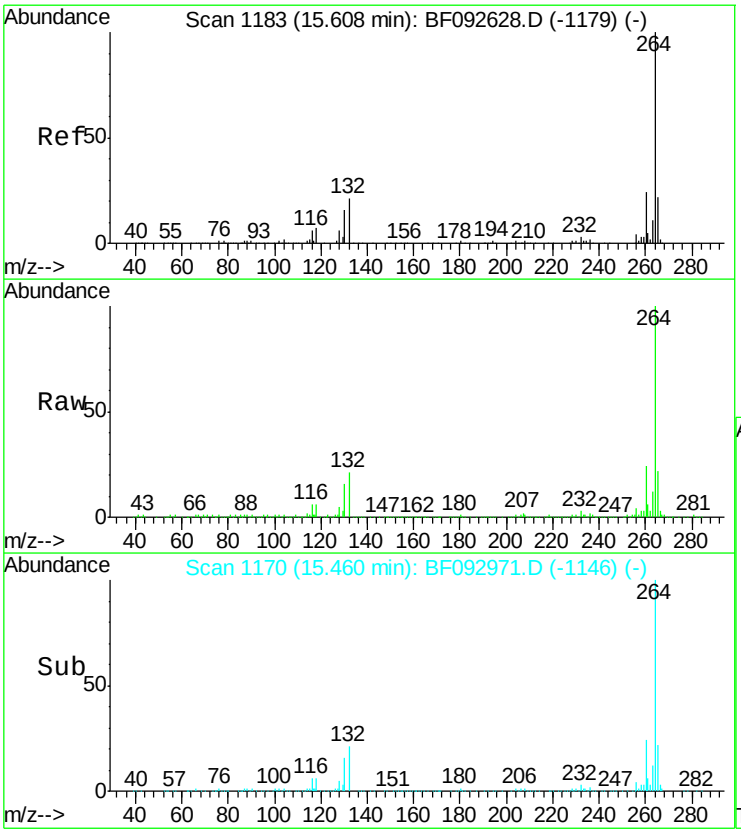
#85
Indeno(1,2,3-cd)pyrene
Concen: 9.51 ng
RT: 16.87 min Scan# 1293
Delta R.T. -0.05 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 135208

Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.8	32.6
277	25.6	20.2	30.4

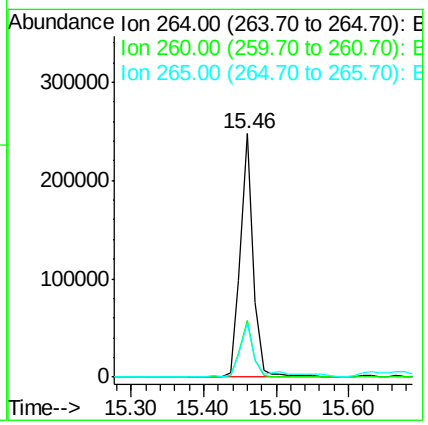


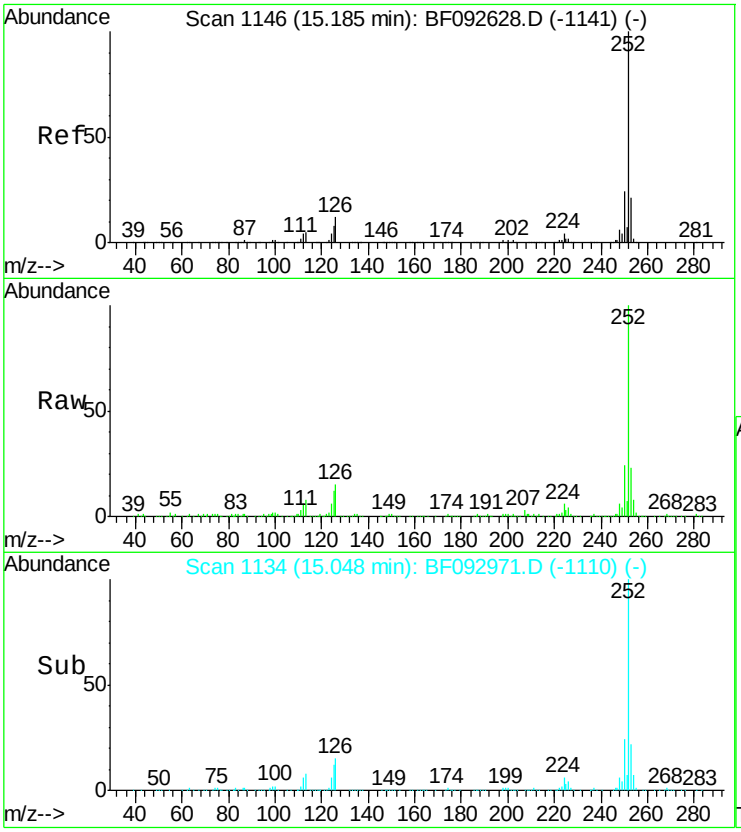


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1170
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:264 Resp: 306541

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.2	17.4	26.0



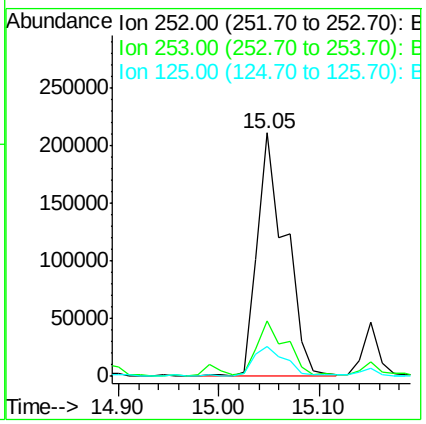


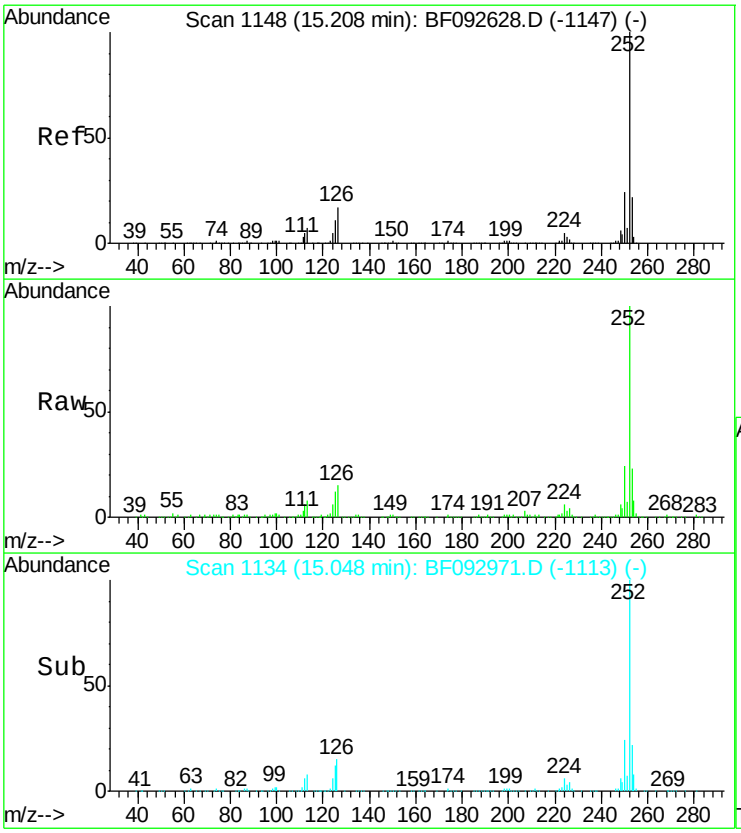
#87
Benzo(b)fluoranthene
Concen: 20.17 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.02 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 406985

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	12.4	9.8	14.6

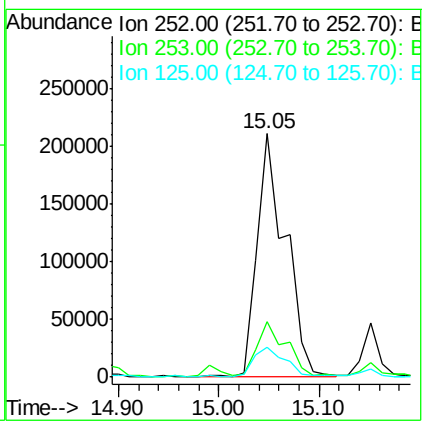


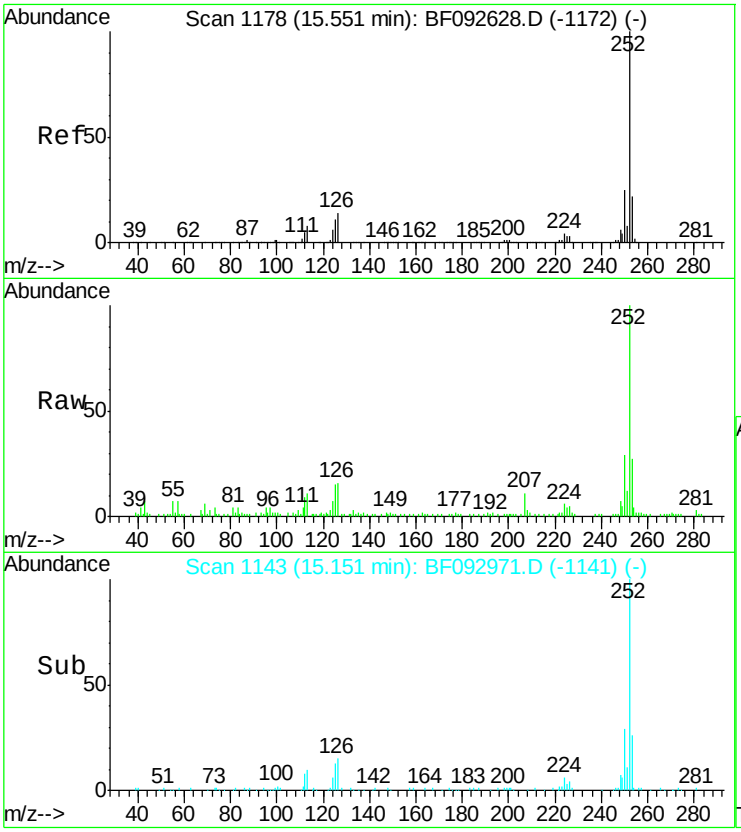


#88
Benzo(k)fluoranthene
Concen: 23.36 ng
RT: 15.05 min Scan# 1134
Delta R.T. -0.06 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:252 Resp: 406985

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.5	27.7
125	12.4	8.9	13.3



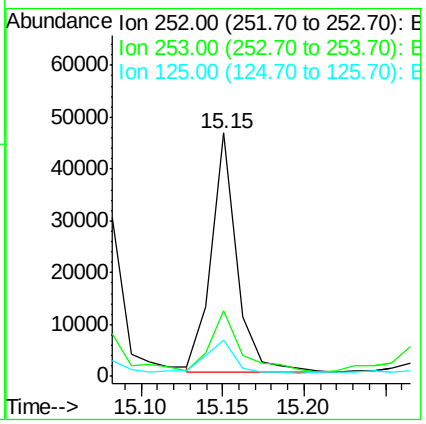


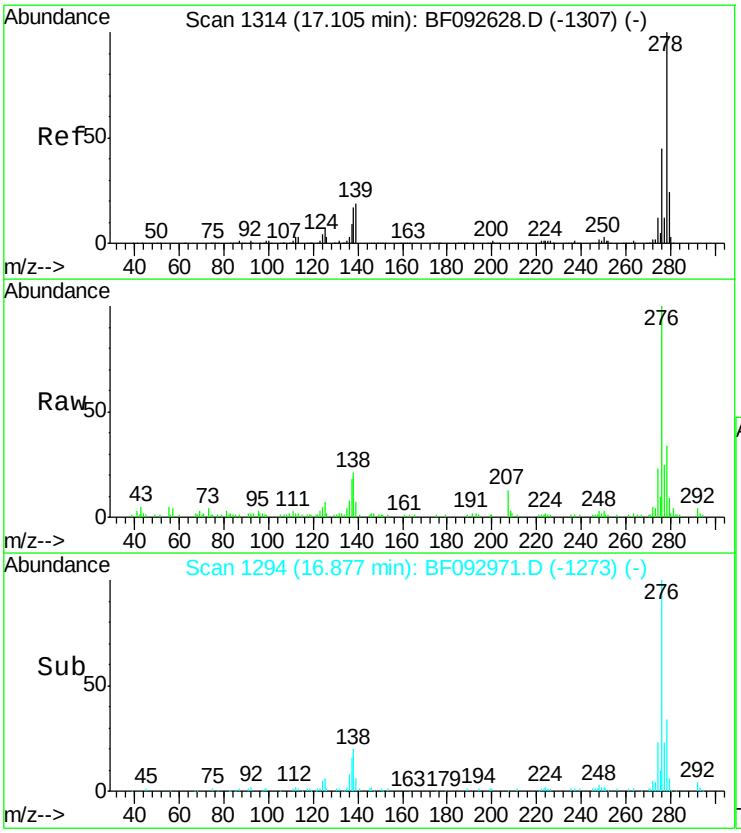
#89
Benzo(a)pyrene
Concen: 2.85 ng
RT: 15.15 min Scan# 1143
Delta R.T. -0.27 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 49766

Ion	Ratio	Lower	Upper
252	100		
253	26.8	18.2	27.2
125	14.9	10.0	15.0

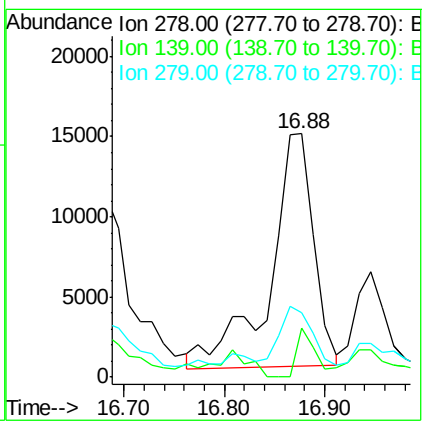


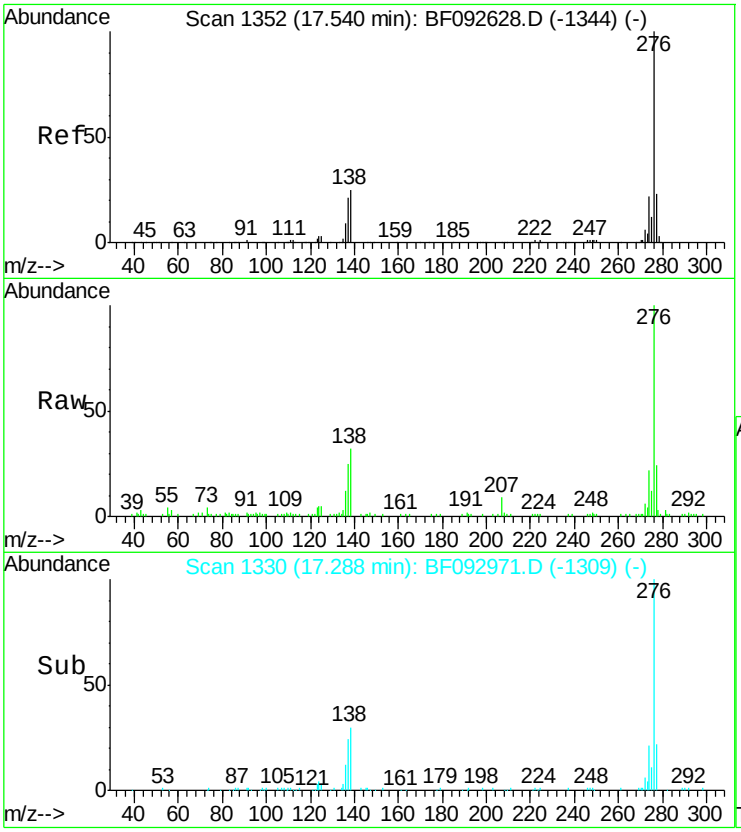


#90
Dibenzo(a,h)anthracene
Concen: 3.12 ng
RT: 16.88 min Scan# 1294
Delta R.T. -0.06 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Tgt Ion:278 Resp: 44020

Ion	Ratio	Lower	Upper
278	100		
139	20.1	14.8	22.2
279	26.2	19.8	29.6





#91
Benzo(g,h,i)perylene
Concen: 8.73 ng
RT: 17.29 min Scan# 1330
Delta R.T. -0.06 min
Lab File: BF092971.D
Acq: 16 Feb 2017 00:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 124420

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	31.7	16.0	24.0#