Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062316\
Data File : BF088321.D
Acq On : 24 Jun 2016 8:04
Operator : UM/SJ
Sample : H3683-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jun 24 13:03:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 22 14:55:14 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	320622	20.00	ng		0.15
21) Naphthalene-d8	7.88	136	318304	20.00	ng		-0.01
38) Acenaphthene-d10	9.62	164	142705	20.00	ng		-0.02
63) Phenanthrene-d10	11.11	188	234364	20.00	ng		-0.01
75) Chrysene-d12	13.76	240	117782	20.00	ng		0.01
86) Perylene-d12	15.12	264	175931	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.19	112	682208	36.38	ng		0.01
7) Phenol-d6	6.27	99	842711	37.08	ng		0.01
23) Nitrobenzene-d5	7.16	82	479302	87.93	ng		-0.01
41) 2,4,6-Tribromophenol	10.42	330	173327	115.03	ng		-0.01
44) 2-Fluorobiphenyl	8.96	172	831342	91.97	ng		-0.01
78) Terphenyl-d14	12.70	244	623968	120.55	ng		0.00
Target Compounds							Qvalue
10) Phenol	6.36	94	3316	Below Cal		#	1
19) n-Nitroso-di-n-propylamine	7.16	70	60772	4.18	ng	#	71
25) Isophorone	7.16	82	466644	46.22	ng	#	65
31) Naphthalene	7.91	128	63700	4.04	ng		99
45) 1,1'-Biphenyl	9.06	154	3653	Below Cal			94
48) Acenaphthylene	9.48	152	630780	42.94	ng		100
49) Dimethylphthalate	9.36	163	176717	17.10	ng		99
55) 4-Nitrophenol	9.84	139	7983	3.77	ng	#	5
66) 4-Bromophenyl-phenylether	10.42	248	10964	4.36	ng	#	1
70) Phenanthrene	11.13	178	442636	35.99	ng		98
71) Anthracene	11.19	178	752996	60.70	ng		98
72) Carbazole	11.35	167	94694	8.16	ng		99
74) Fluoranthene	12.34	202	2894712	223.04	ng		95
77) Pyrene	12.57	202	2643007	302.40	ng		98
80) Benzo(a)anthracene	13.75	228	2321890	345.94	ng	#	81
82) Chrysene	13.75	228	2321890	367.71	ng	#	86
83) Bis(2-ethylhexyl)phthalate	13.74	149	10997	2.34	ng	#	68
85) Indeno(1,2,3-cd)pyrene	16.39	276	1056815	180.14	ng	#	100
87) Benzo(b)fluoranthene	14.77	252	3052161	248.91	ng	#	94
88) Benzo(k)fluoranthene	14.77	252	3035304	328.14	ng		96
89) Benzo(a)pyrene	15.02	252	1151777	116.10	ng		98
90) Dibenzo(a,h)anthracene	16.38	278	280020	30.39	ng		93
91) Benzo(g,h,i)perylene	16.77	276	863553	91.11	ng		98

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

Quantitation Report (Not Reviewed)

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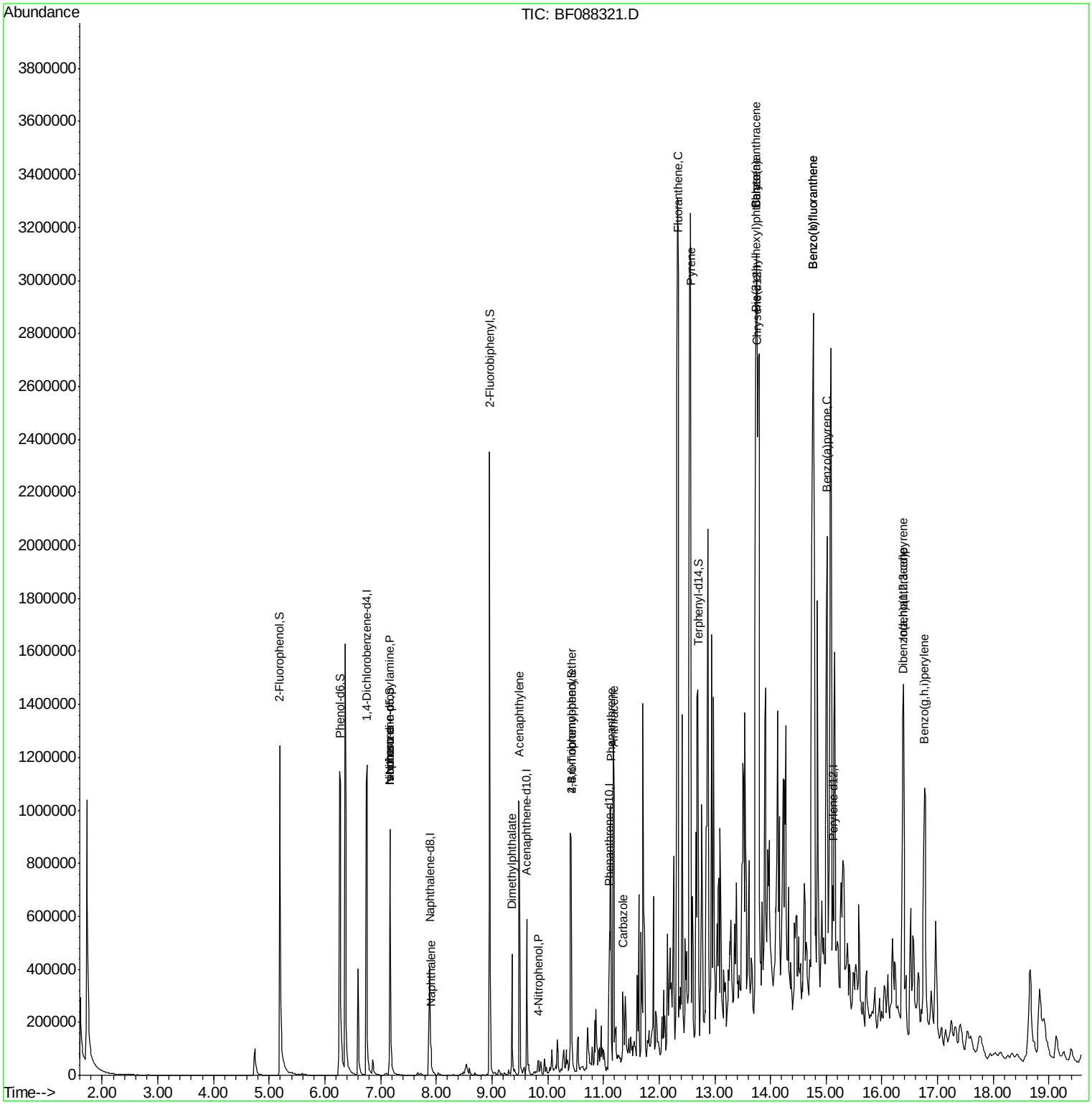
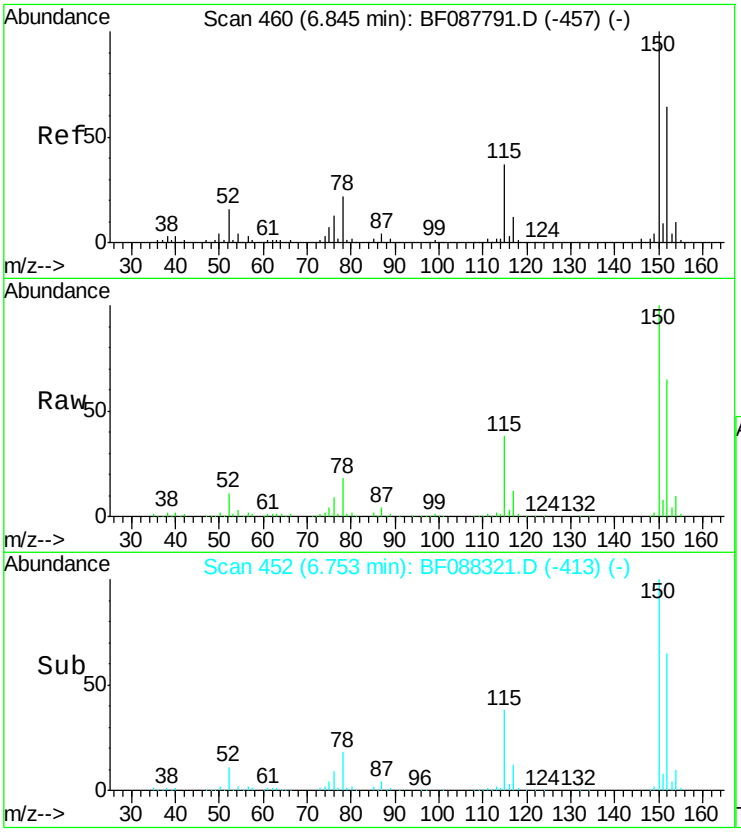


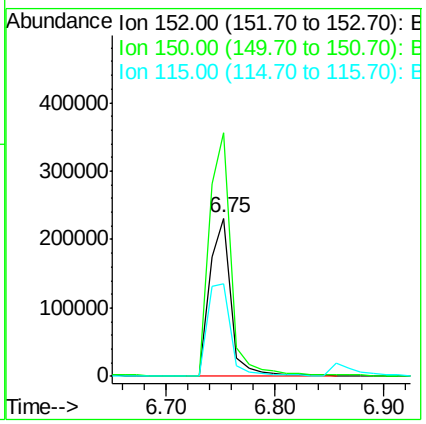


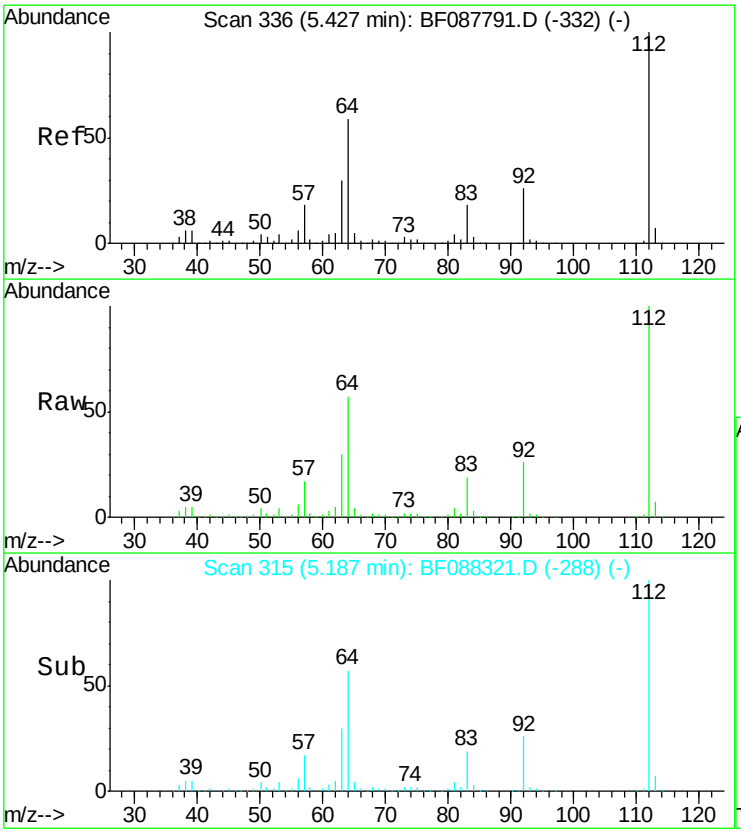
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. 0.15 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 320622

Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.8	185.6
115	58.2	39.6	59.4

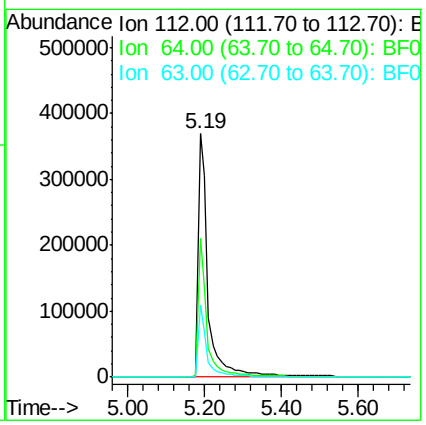


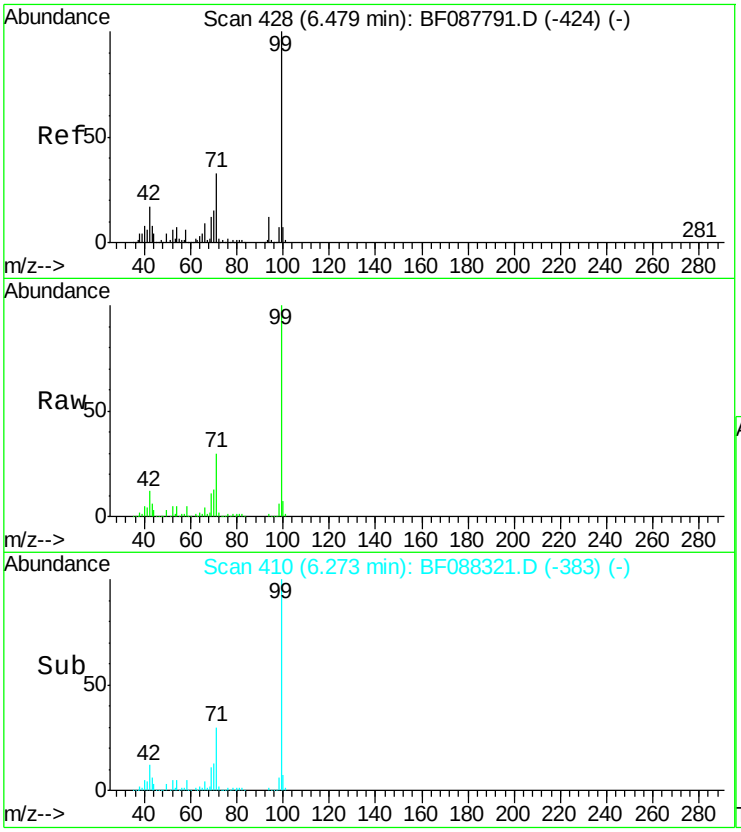


#5
2-Fluorophenol
Concen: 36.38 ng
RT: 5.19 min Scan# 315
Delta R.T. 0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:112 Resp: 682208

Ion	Ratio	Lower	Upper
112	100		
64	57.1	42.2	63.2
63	29.6	21.8	32.8



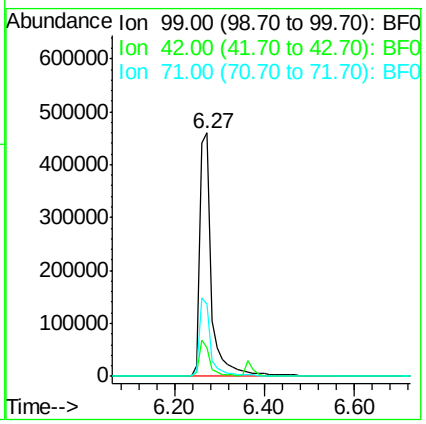


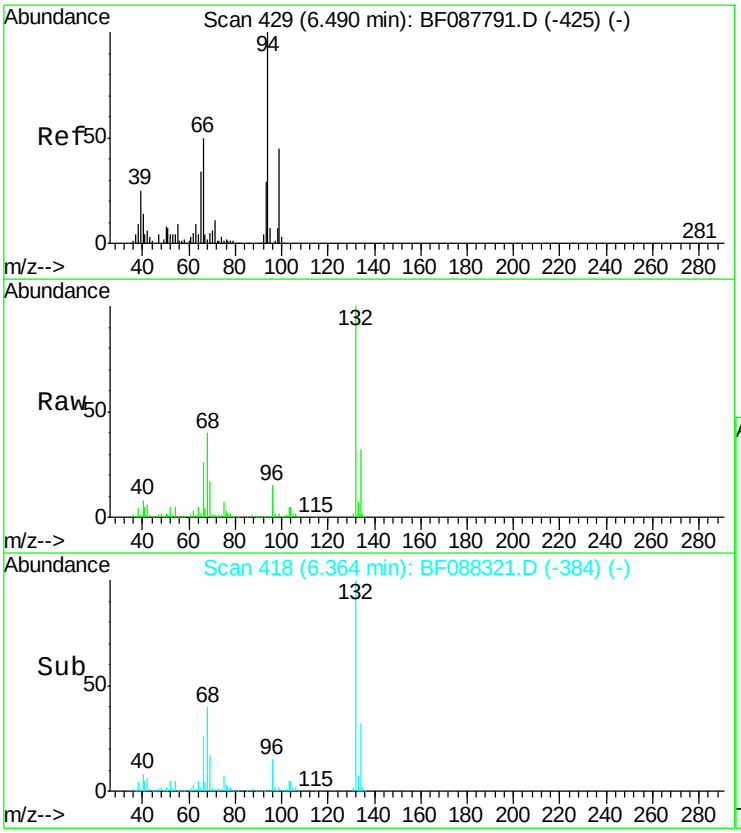
#7
Phenol-d6
Concen: 37.08 ng
RT: 6.27 min Scan# 410
Delta R.T. 0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 842711

Ion	Ratio	Lower	Upper
99	100		
42	11.8	12.2	18.2#
71	29.6	23.4	35.0

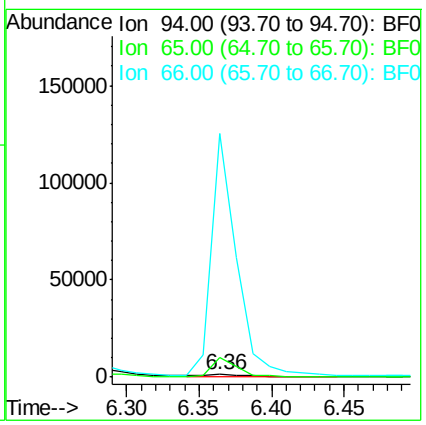


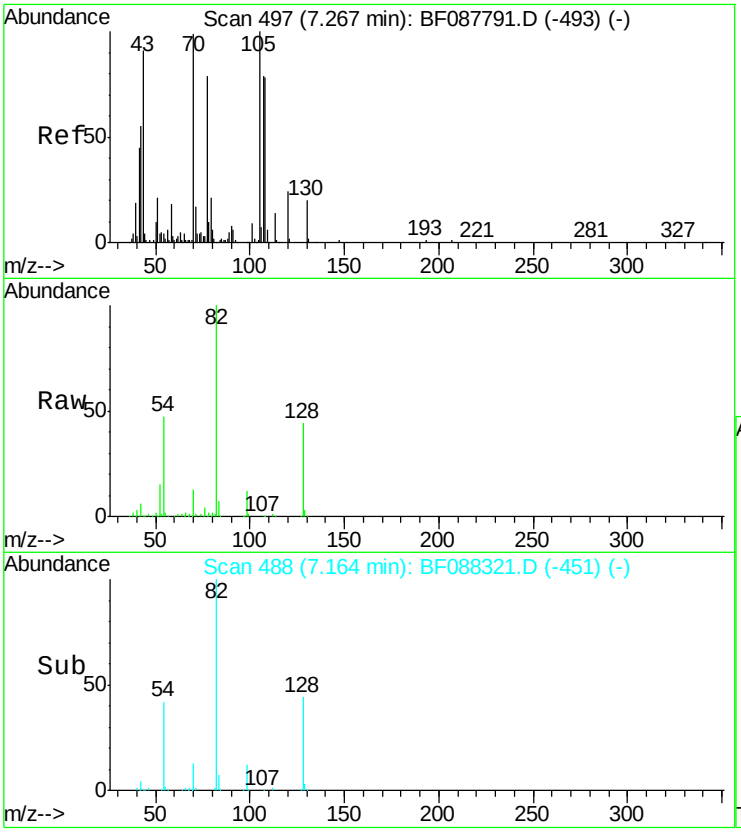


#10
Phenol
Concen: Below Cal
RT: 6.36 min Scan# 418
Delta R.T. 0.09 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion: 94 Resp: 3316

Ion	Ratio	Lower	Upper
94	100		
65	694.6	5.9	45.9#
66	8748.6	14.0	54.0#



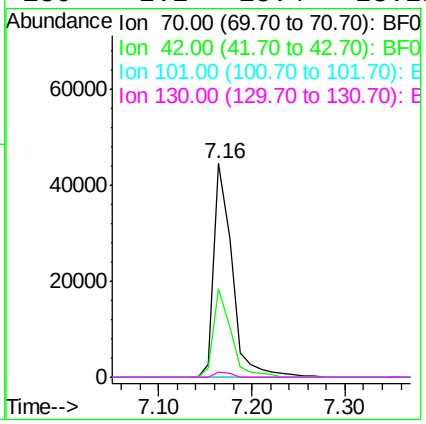


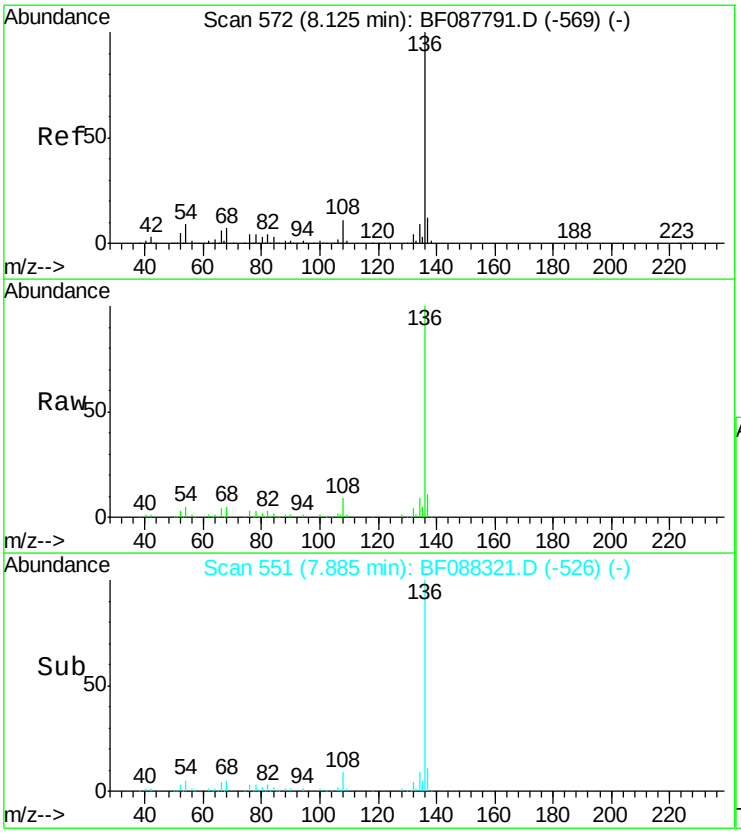
#19
n-Nitroso-di-n-propylamine
Concen: 4.18 ng
RT: 7.16 min Scan# 488
Delta R.T. 0.13 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 70 Resp: 60772

Ion	Ratio	Lower	Upper
70	100		
42	41.3	49.6	74.4#
101	0.0	7.1	10.7#
130	2.2	15.4	23.2#

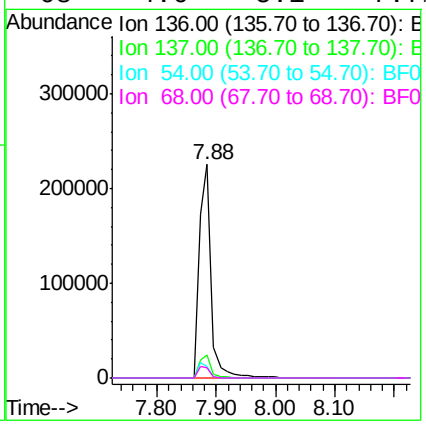


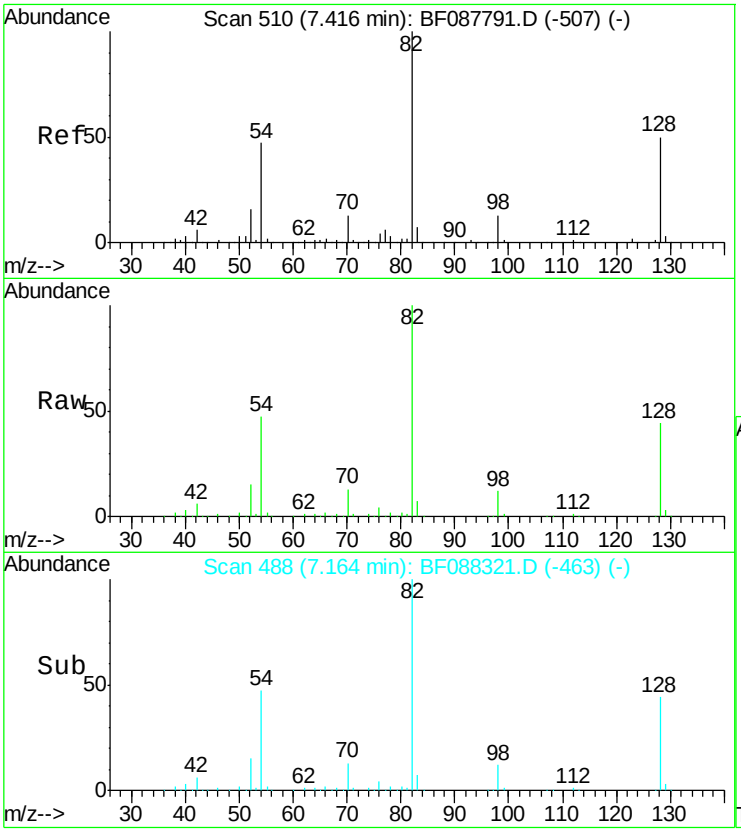


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.88 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:136 Resp: 318304

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.1	6.6	10.0#
68	4.6	5.1	7.7#



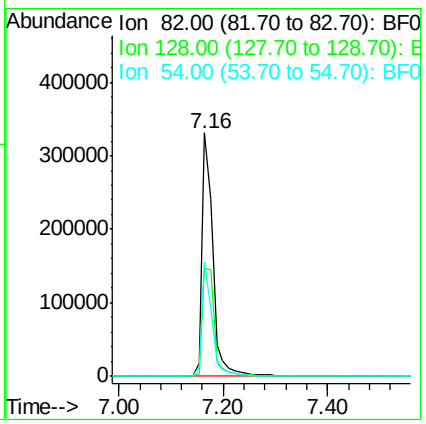


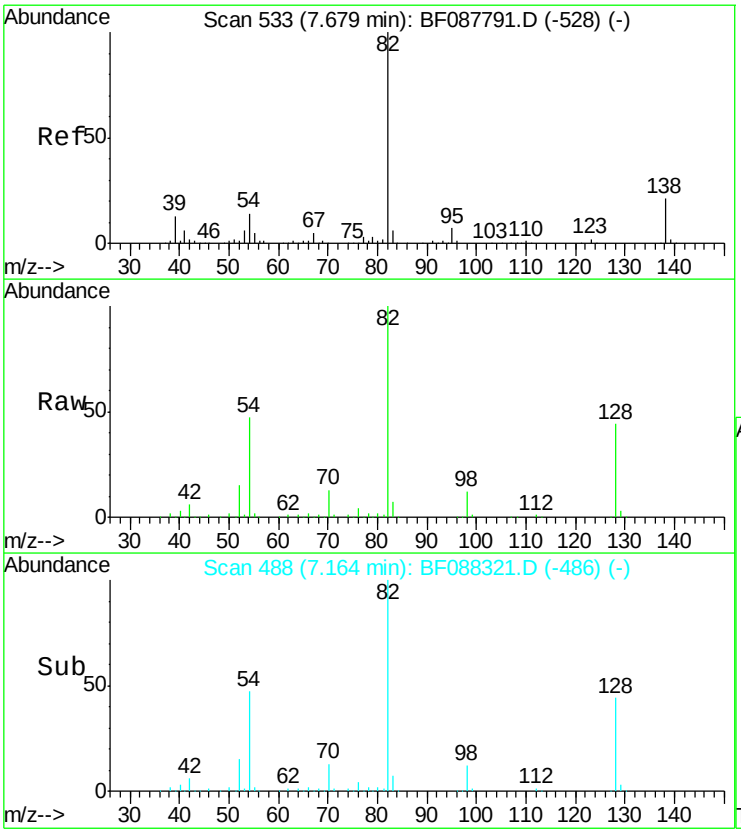
#23
Nitrobenzene-d5
Concen: 87.93 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 479302

Ion	Ratio	Lower	Upper
82	100		
128	44.3	35.9	53.9
54	46.8	40.9	61.3

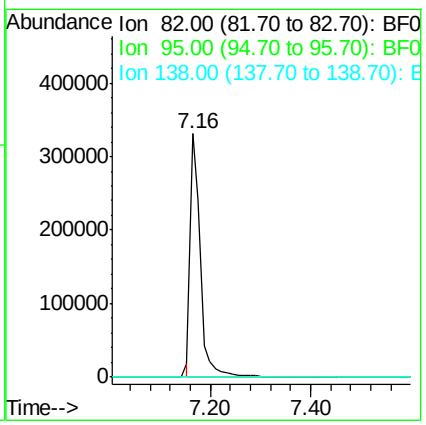


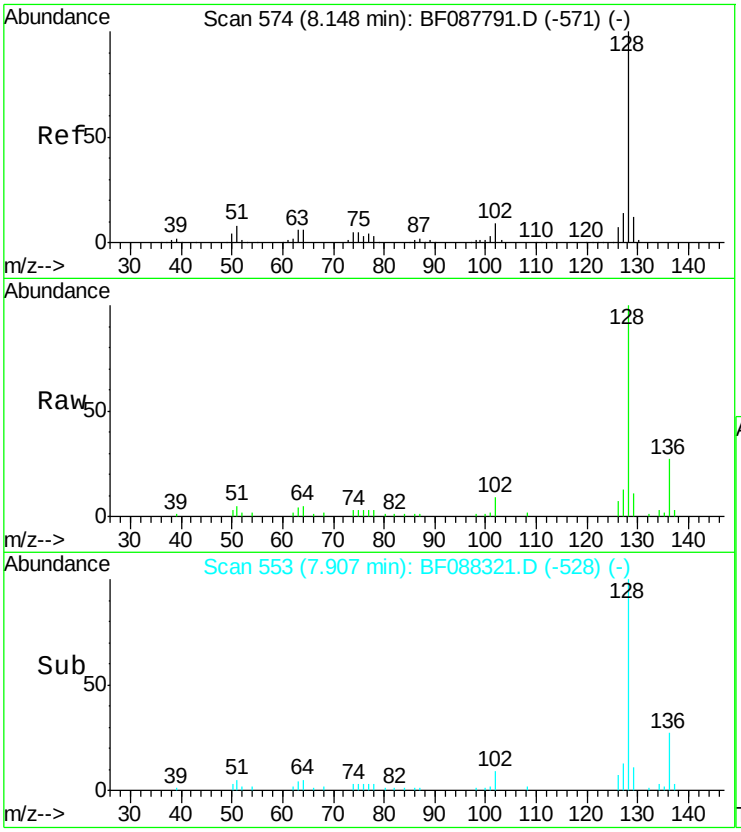


#25
Isophorone
Concen: 46.22 ng
RT: 7.16 min Scan# 488
Delta R.T. -0.27 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion: 82 Resp: 466644

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	14.6	21.8#



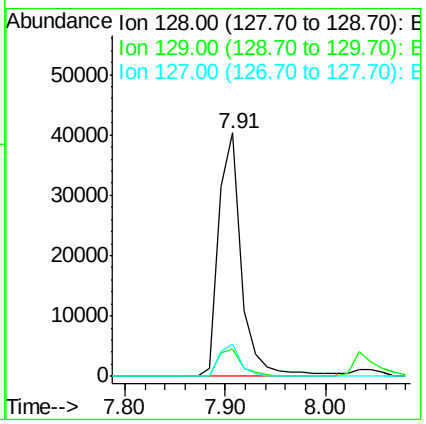


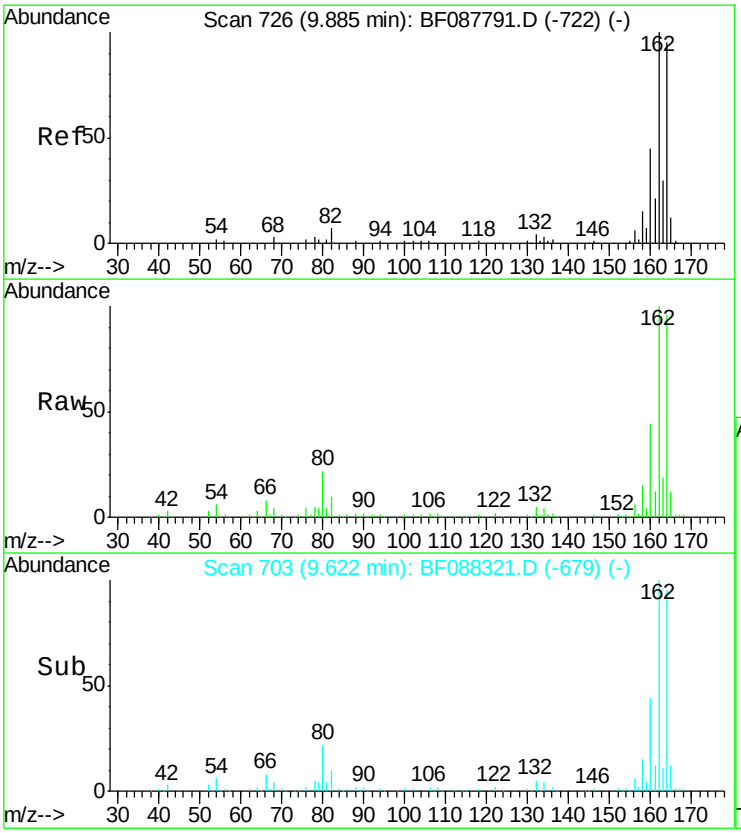
#31
Naphthalene
Concen: 4.04 ng
RT: 7.91 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 63700

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.4	14.2
127	13.1	10.9	16.3

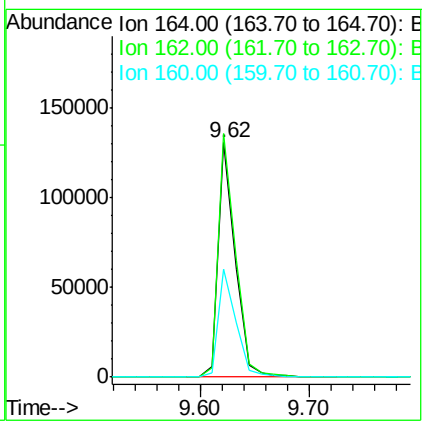


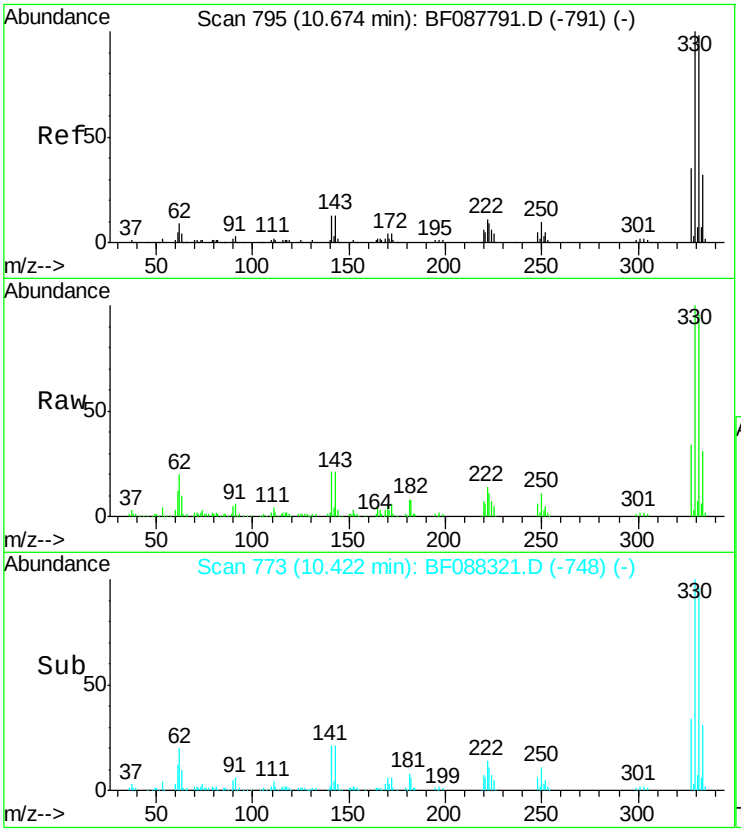


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:164 Resp: 142705

Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.4	128.2
160	46.2	39.5	59.3



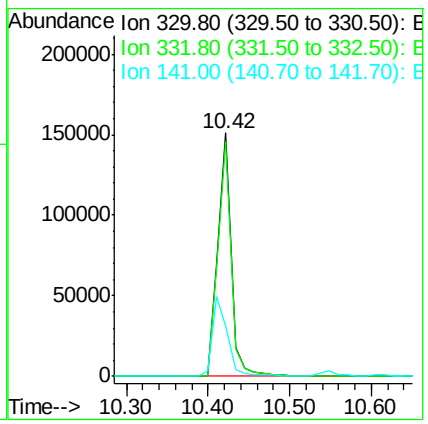


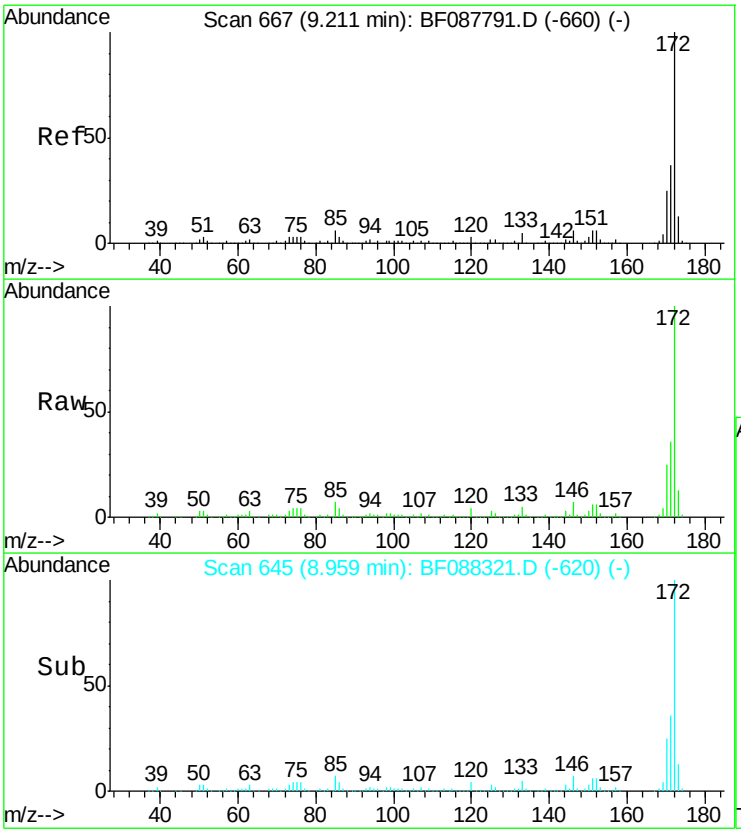
#41
2,4,6-Tribromophenol
Concen: 115.03 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 173327

Ion	Ratio	Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	37.5	0.0	0.0#

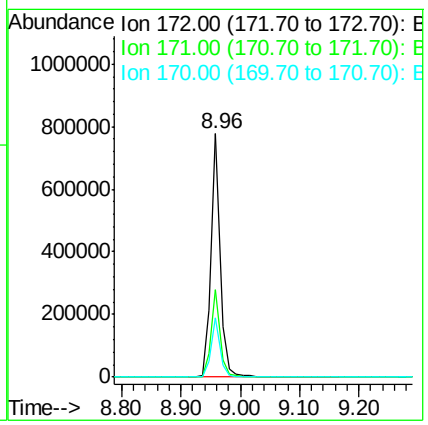


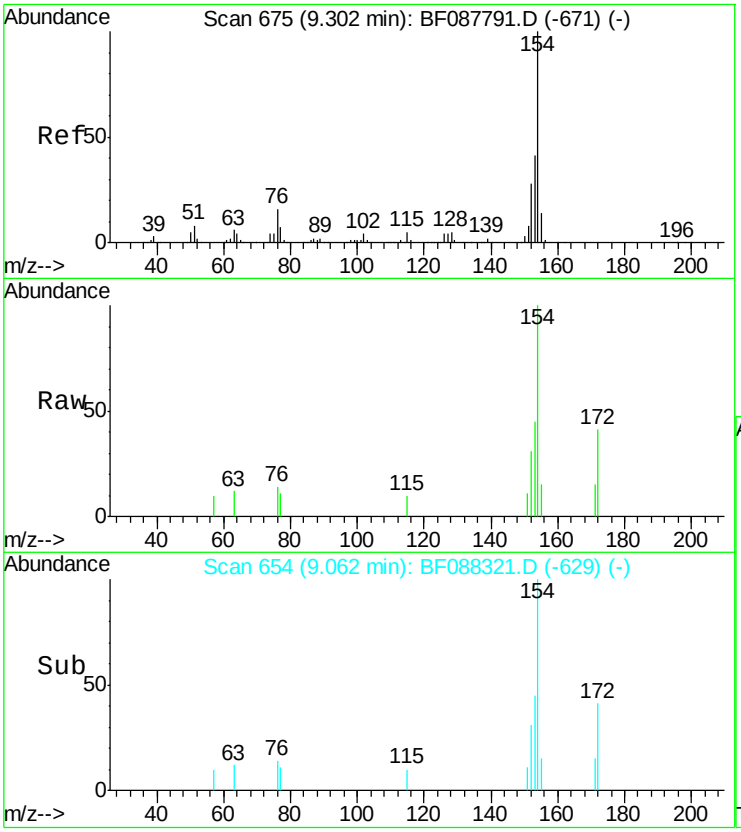


#44
2-Fluorobiphenyl
Concen: 91.97 ng
RT: 8.96 min Scan# 645
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:172 Resp: 831342

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.5	19.2	28.8



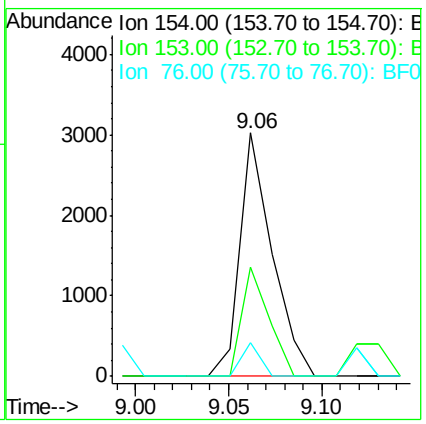


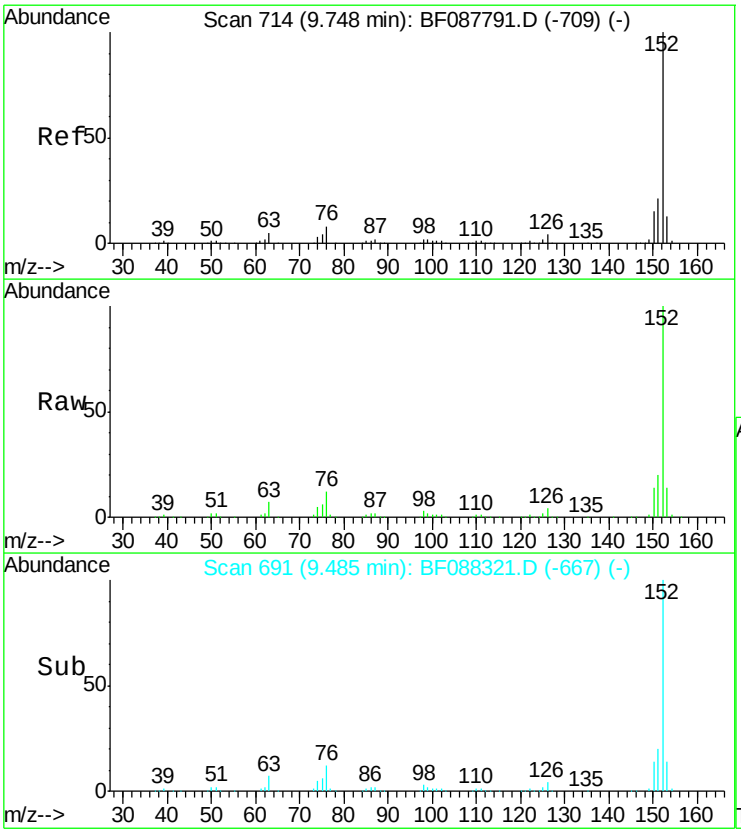
#45
1,1'-Biphenyl
Concen: Below Cal
RT: 9.06 min Scan# 654
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:154 Resp: 3653

Ion	Ratio	Lower	Upper
154	100		
153	45.0	20.6	60.6
76	13.6	0.0	35.1

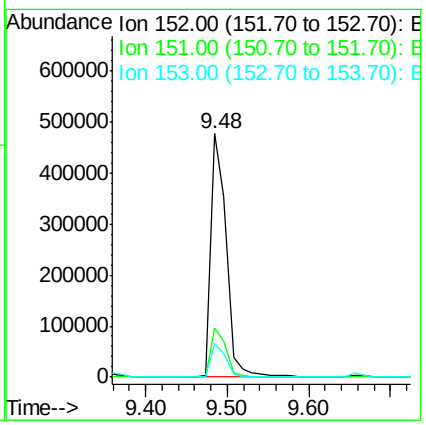


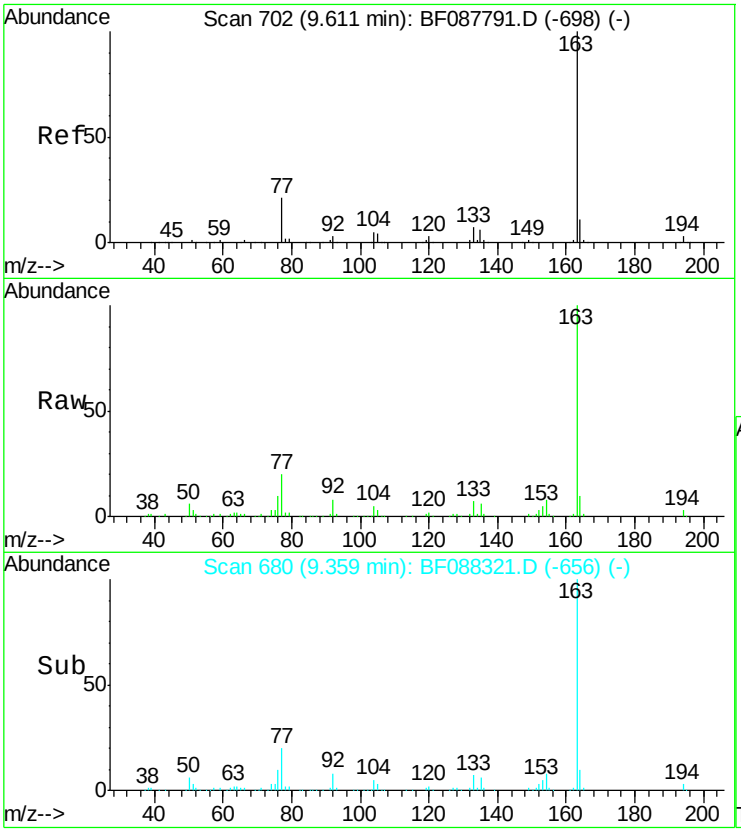


#48
Acenaphthylene
Concen: 42.94 ng
RT: 9.48 min Scan# 691
Delta R.T. -0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:152 Resp: 630780

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.4
153	13.8	11.0	16.6



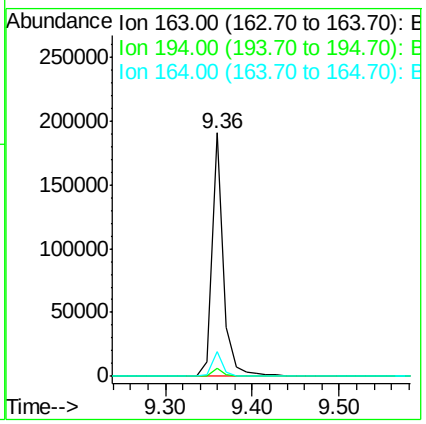


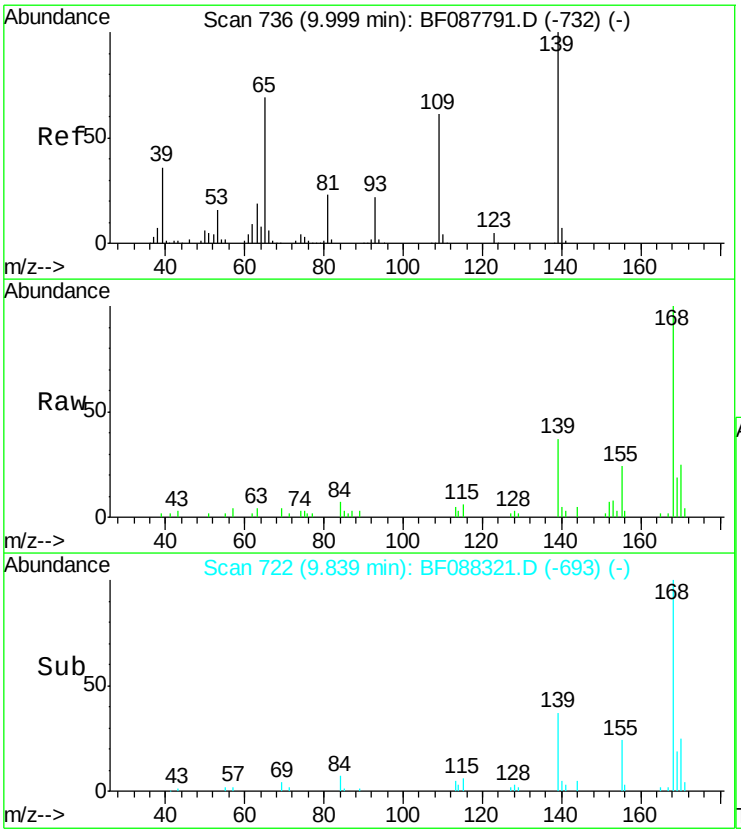
#49
Dimethylphthalate
Concen: 17.10 ng
RT: 9.36 min Scan# 680
Delta R.T. -0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:163 Resp: 176717

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	10.0	8.3	12.5

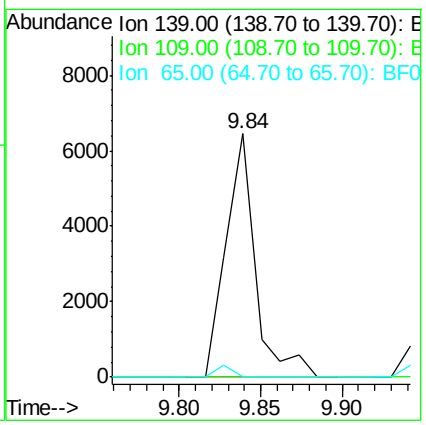


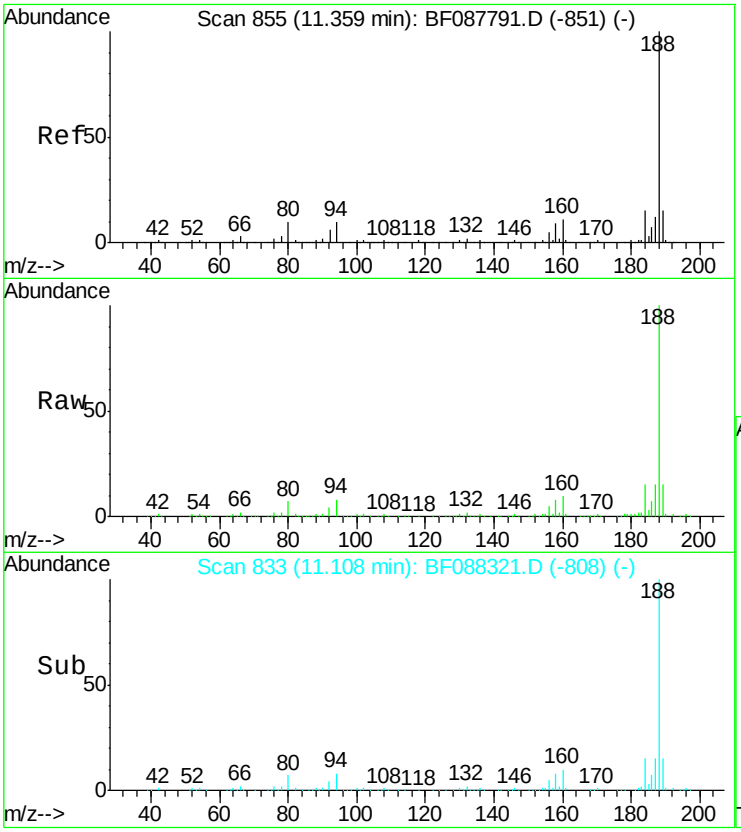


#55
4-Nitrophenol
Concen: 3.77 ng
RT: 9.84 min Scan# 722
Delta R.T. 0.03 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:139 Resp: 7983

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.9	88.9#
65	0.0	84.9	124.9#



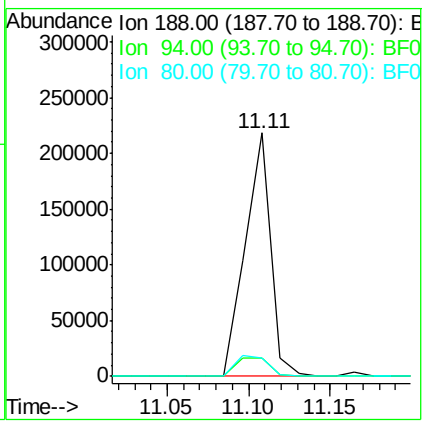


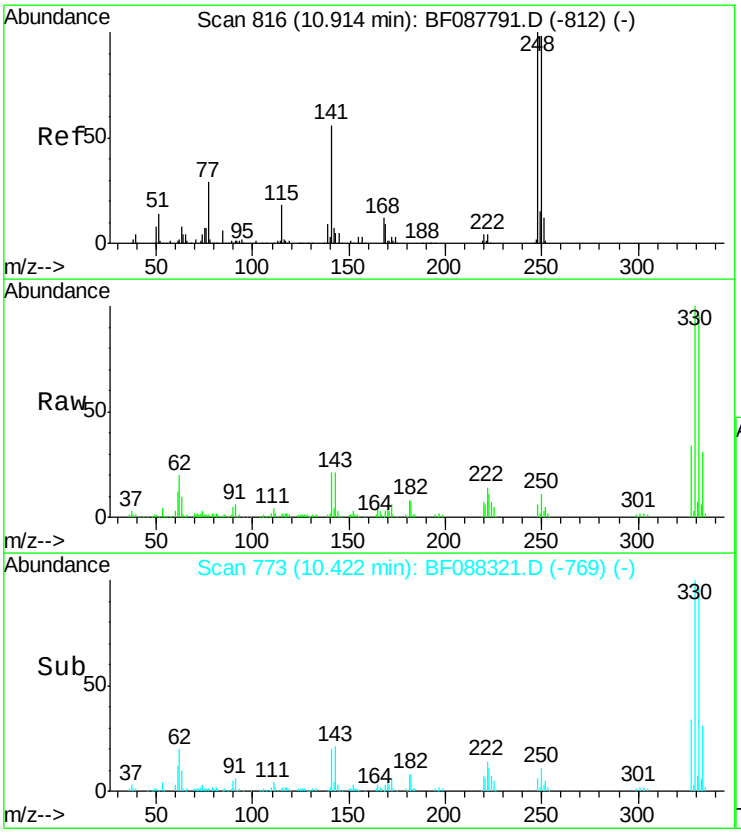
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.11 min Scan# 833
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 234364

Ion	Ratio	Lower	Upper
188	100		
94	7.6	9.0	13.6#
80	7.4	10.0	15.0#

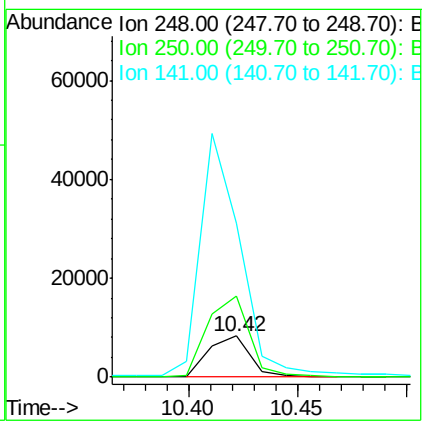


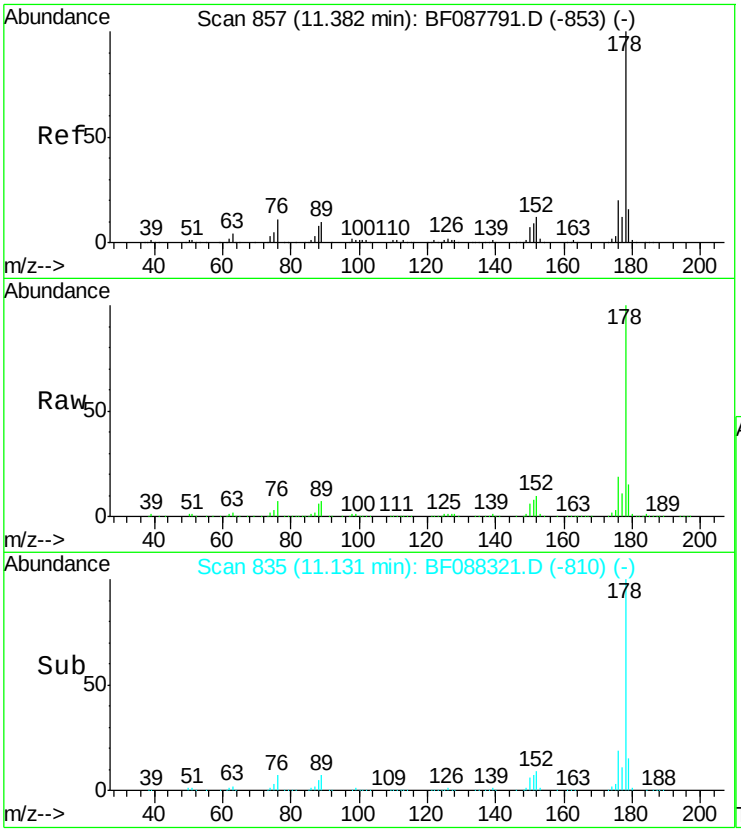


#66
4-Bromophenyl-phenylether
Concen: 4.36 ng
RT: 10.42 min Scan# 773
Delta R.T. -0.25 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:248 Resp: 10964

Ion	Ratio	Lower	Upper
248	100		
250	195.9	77.1	115.7#
141	373.4	50.6	76.0#



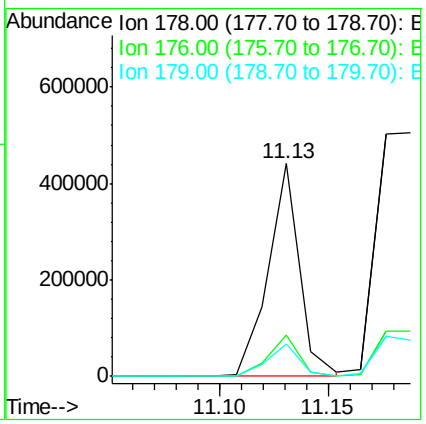


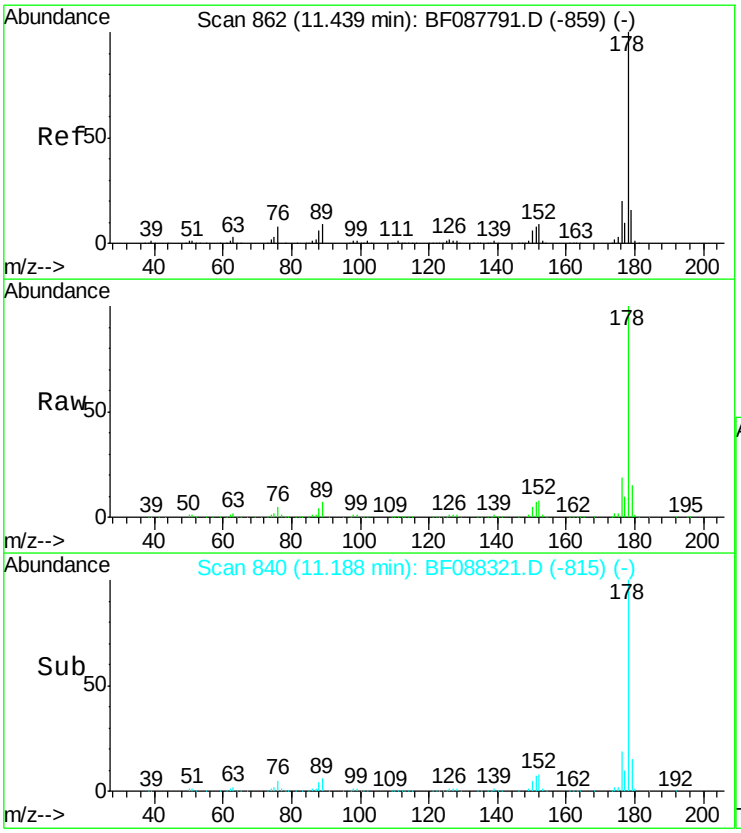
#70
Phenanthrene
Concen: 35.99 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 442636

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.6
179	15.2	13.0	19.4

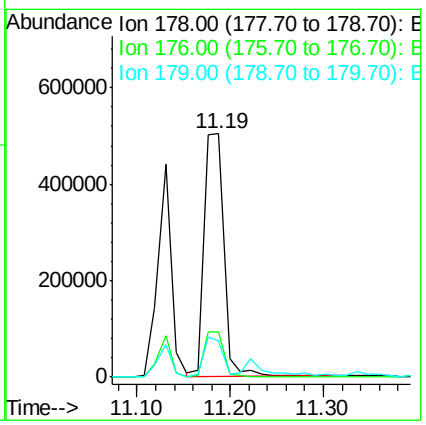


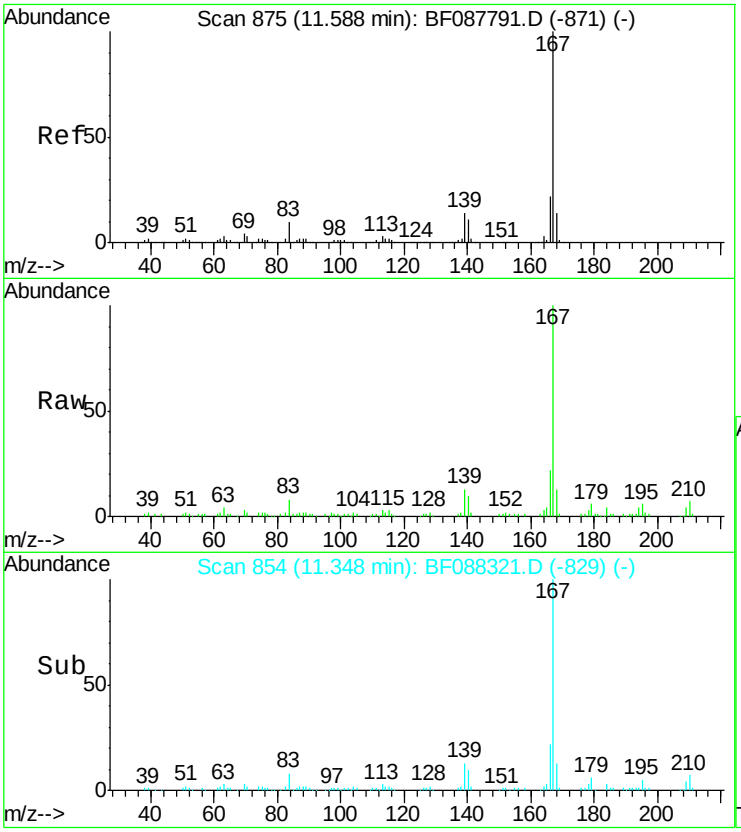


#71
Anthracene
Concen: 60.70 ng
RT: 11.19 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:178 Resp: 752996

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	15.0	12.8	19.2



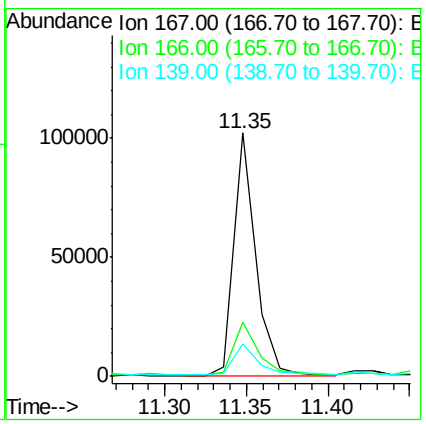


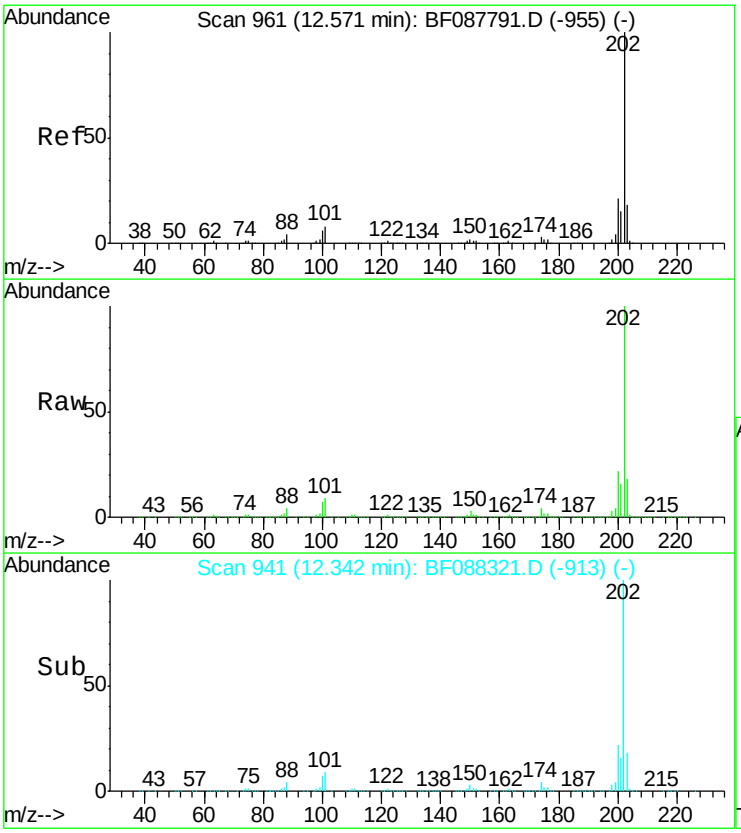
#72
Carbazole
Concen: 8.16 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 94694

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.6
139	13.1	11.2	16.8

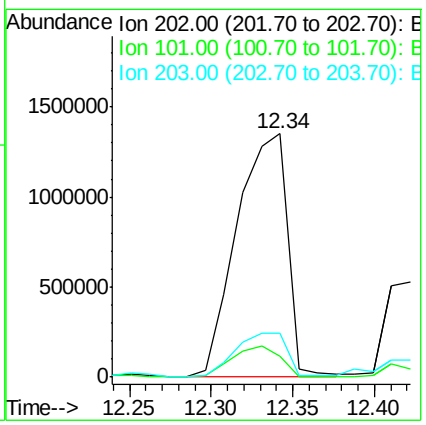


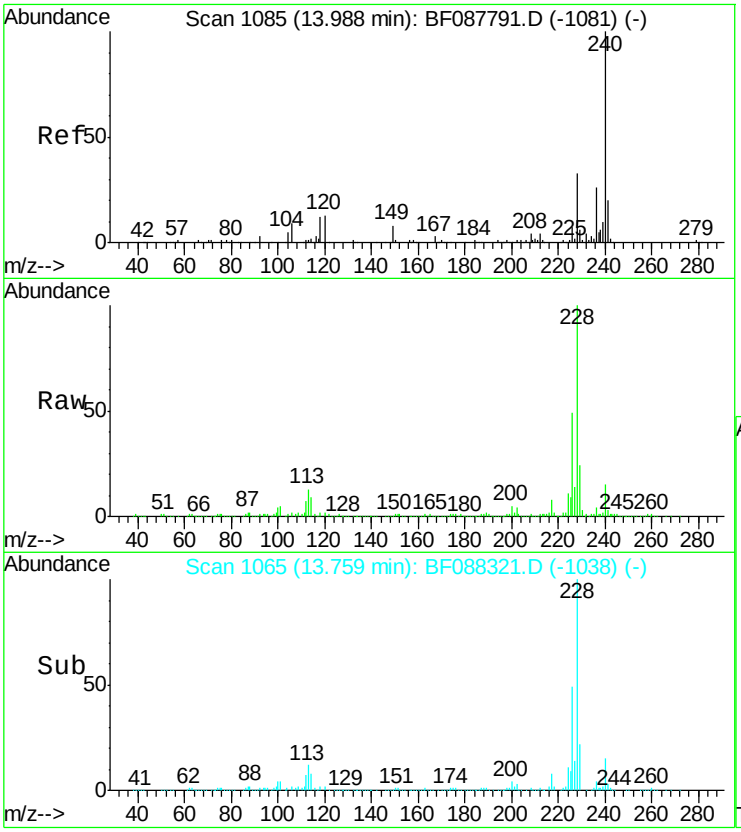


#74
Fluoranthene
Concen: 223.04 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:202 Resp: 2894712

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	33.1
203	18.0	0.0	38.1



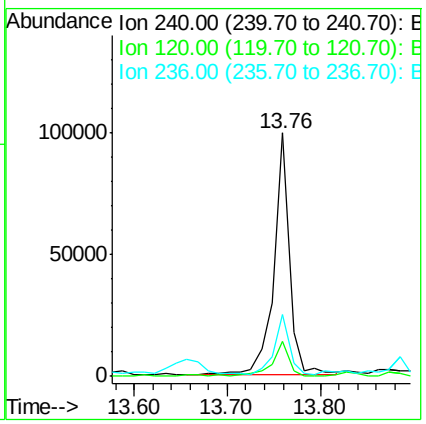


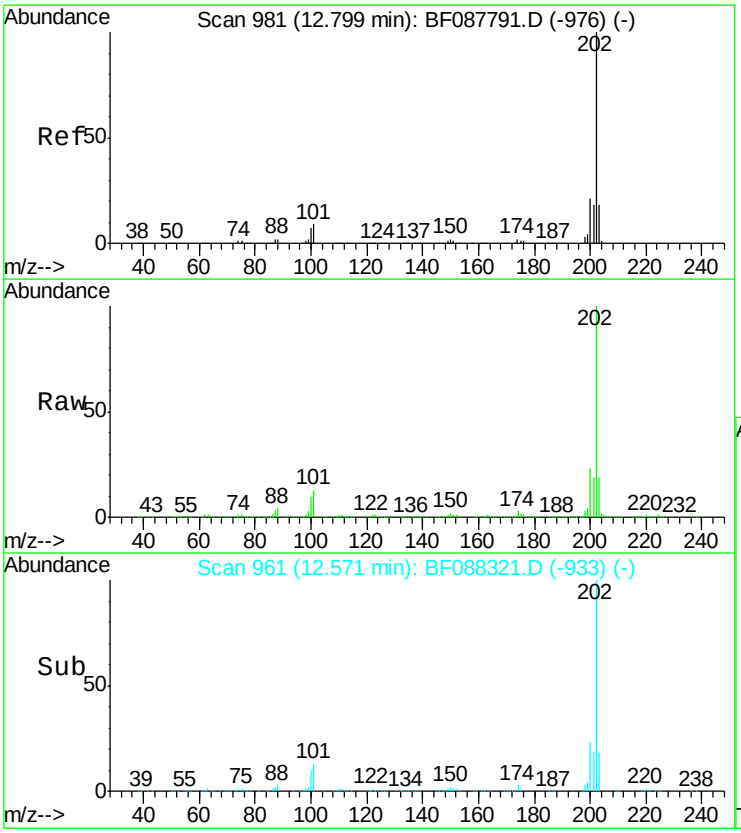
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.76 min Scan# 1065
Delta R.T. 0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 117782

Ion	Ratio	Lower	Upper
240	100		
120	14.3	6.8	10.2#
236	25.5	20.2	30.2

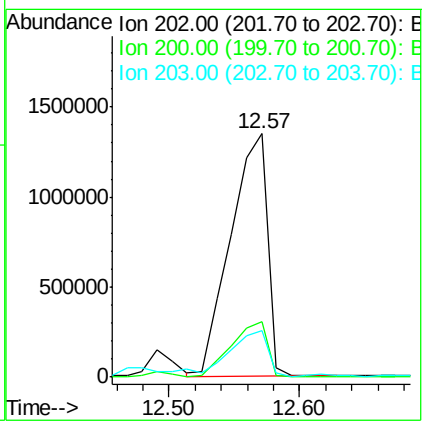


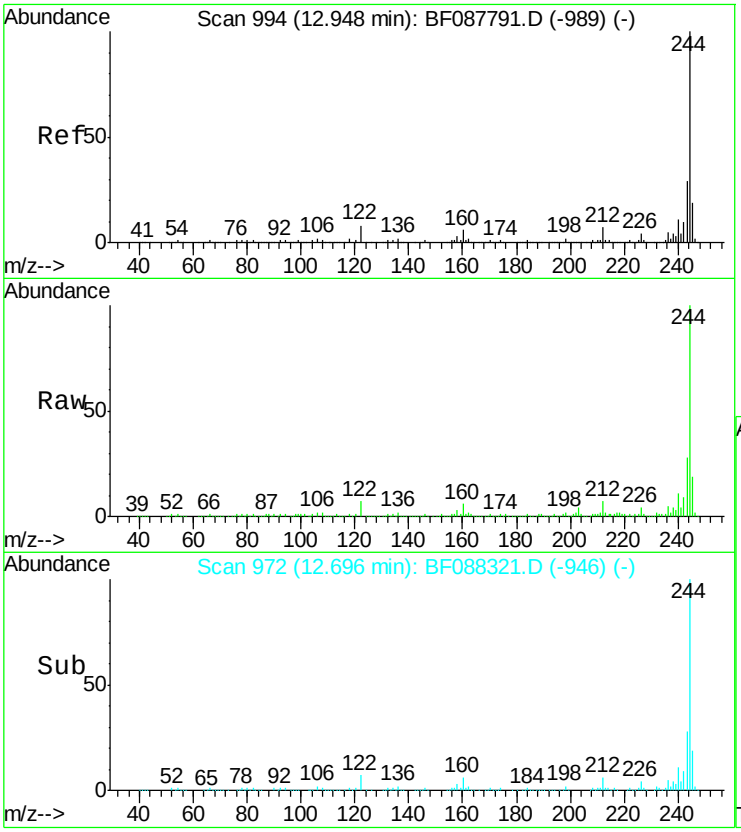


#77
Pyrene
Concen: 302.40 ng
RT: 12.57 min Scan# 961
Delta R.T. 0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:202 Resp: 2643007

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	19.3	14.5	21.7



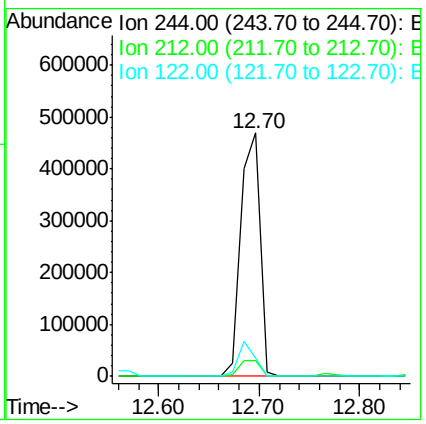


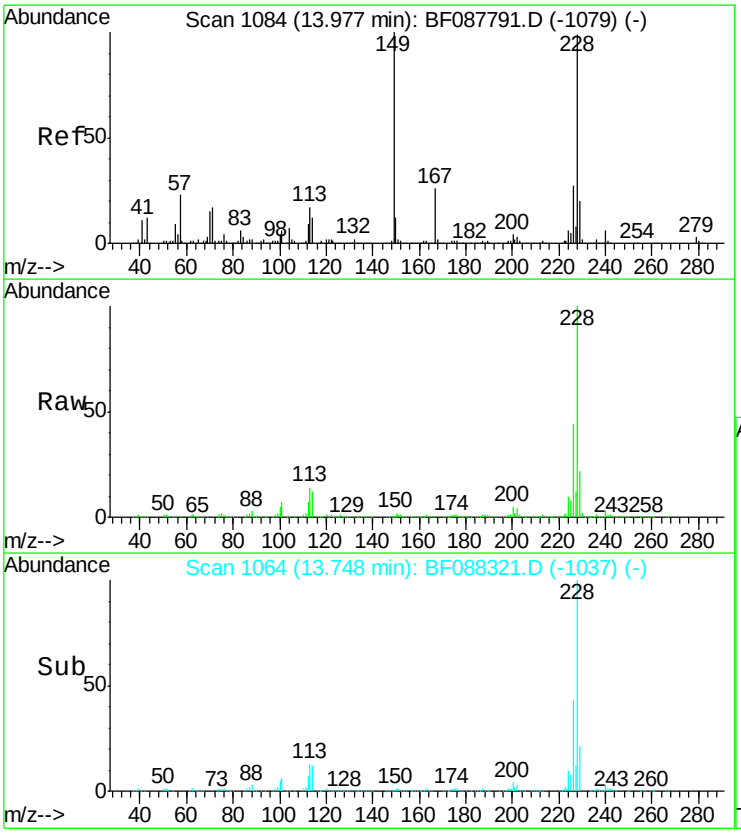
#78
Terphenyl-d14
Concen: 120.55 ng
RT: 12.70 min Scan# 972
Delta R.T. 0.00 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 623968

Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	7.4	11.2	16.8#

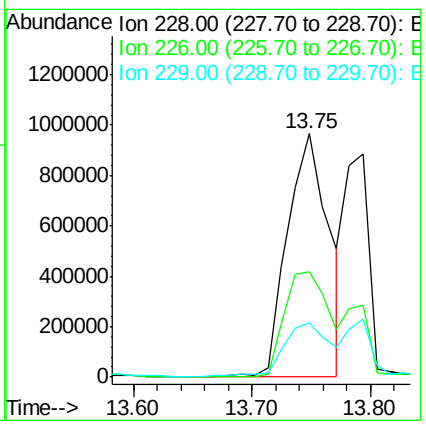


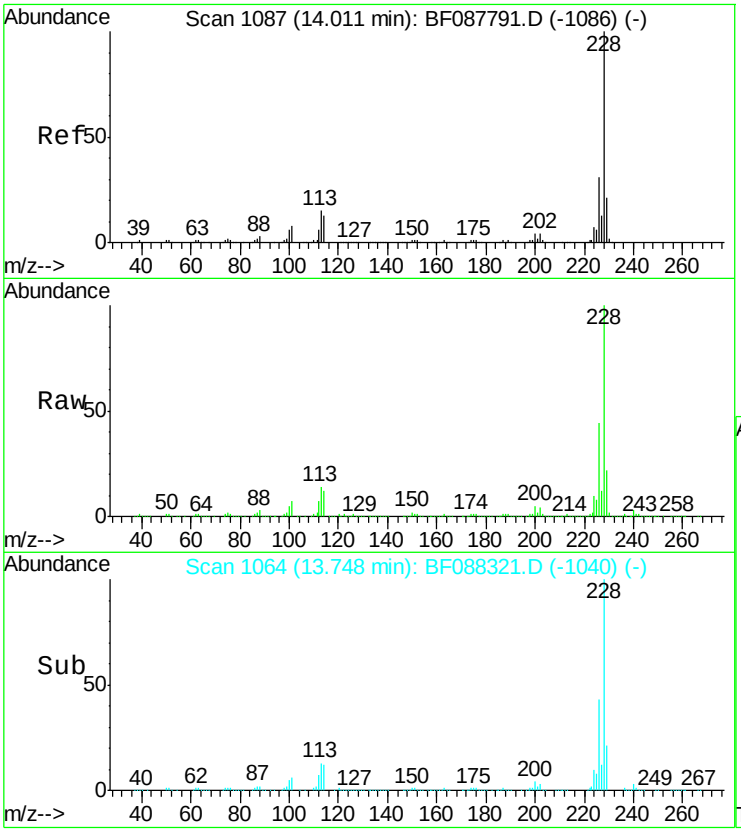


#80
Benzo(a)anthracene
Concen: 345.94 ng
RT: 13.75 min Scan# 1064
Delta R.T. 0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:228 Resp: 2321890

Ion	Ratio	Lower	Upper
228	100		
226	43.5	22.3	33.5#
229	22.2	16.0	24.0



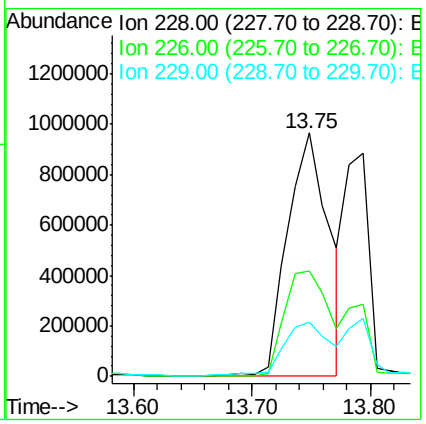


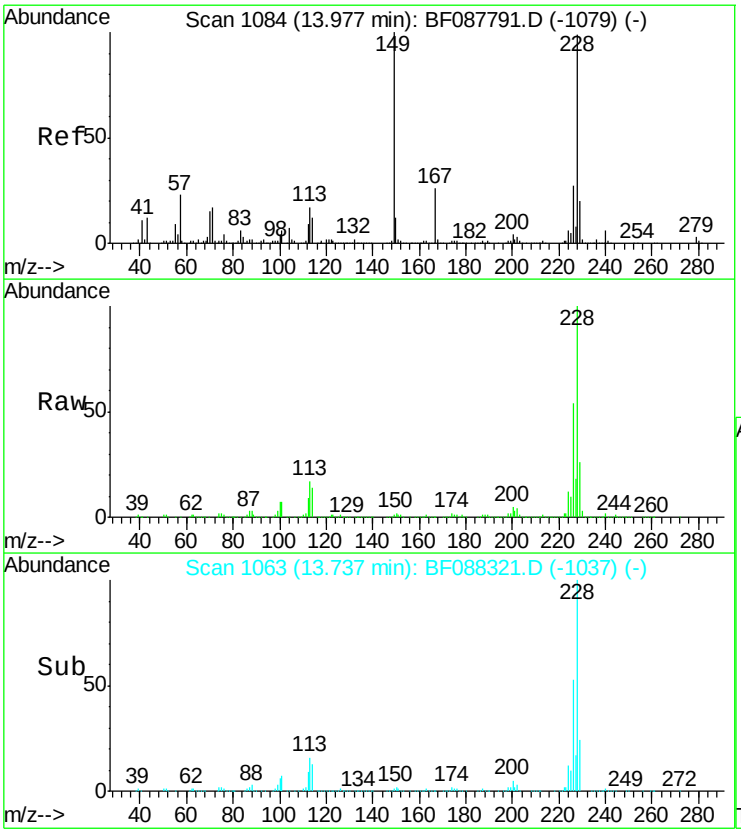
#82
Chrysene
Concen: 367.71 ng
RT: 13.75 min Scan# 1064
Delta R.T. -0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 2321890

Ion	Ratio	Lower	Upper
228	100		
226	43.5	25.4	38.2#
229	22.2	16.3	24.5

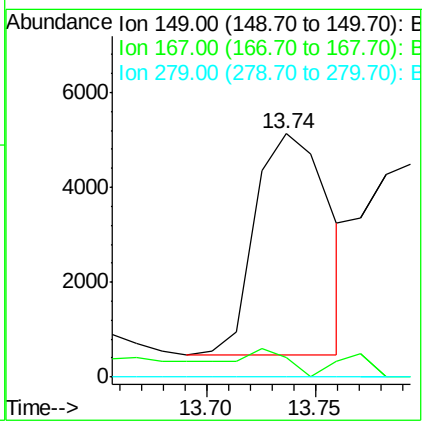


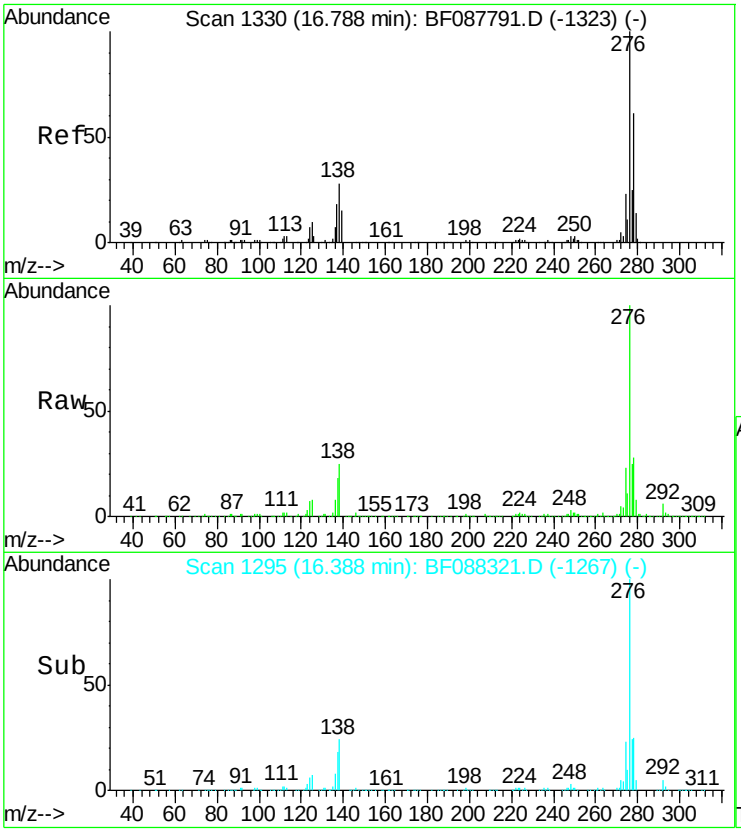


#83
Bis(2-ethylhexyl)phthalate
Concen: 2.34 ng
RT: 13.74 min Scan# 1063
Delta R.T. 0.00 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:149 Resp: 10997

Ion	Ratio	Lower	Upper
149	100		
167	8.0	20.5	30.7#
279	0.0	2.0	3.0#



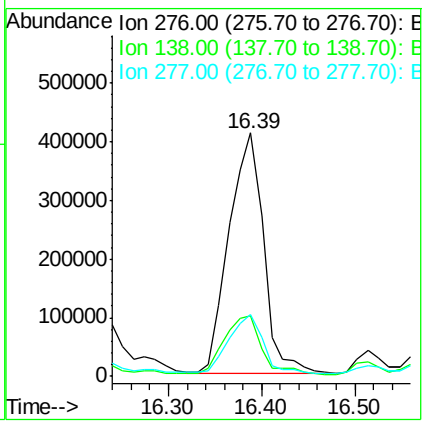


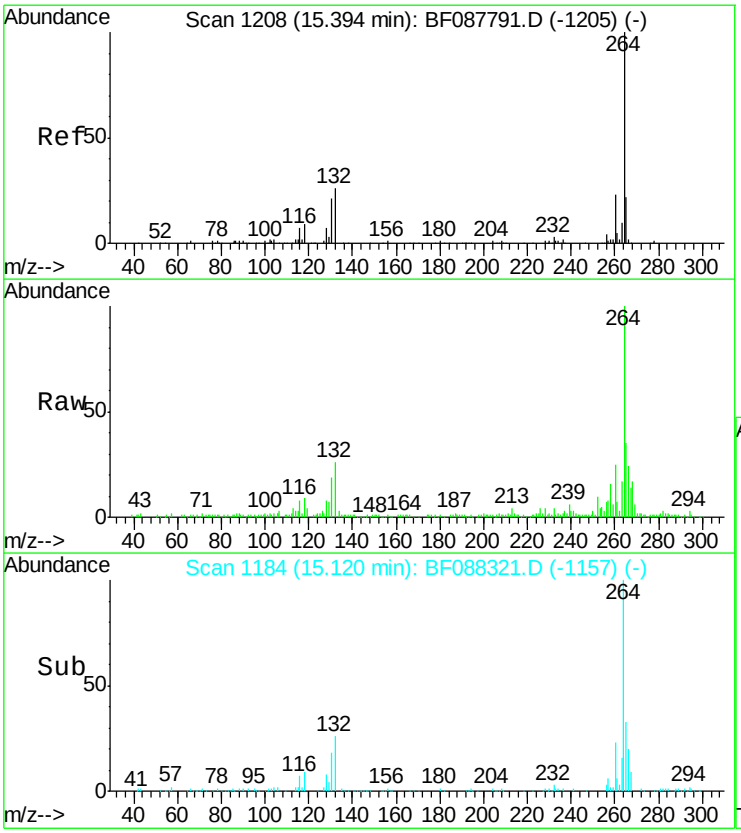
#85
Indeno(1,2,3-cd)pyrene
Concen: 180.14 ng
RT: 16.39 min Scan# 1295
Delta R.T. 0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 1056815

Ion	Ratio	Lower	Upper
276	100		
138	26.8	0.0	0.0#
277	24.0	0.0	0.0#

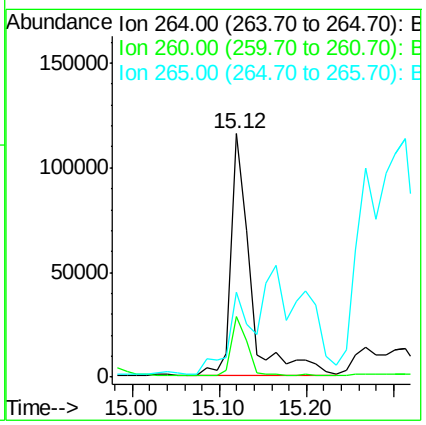


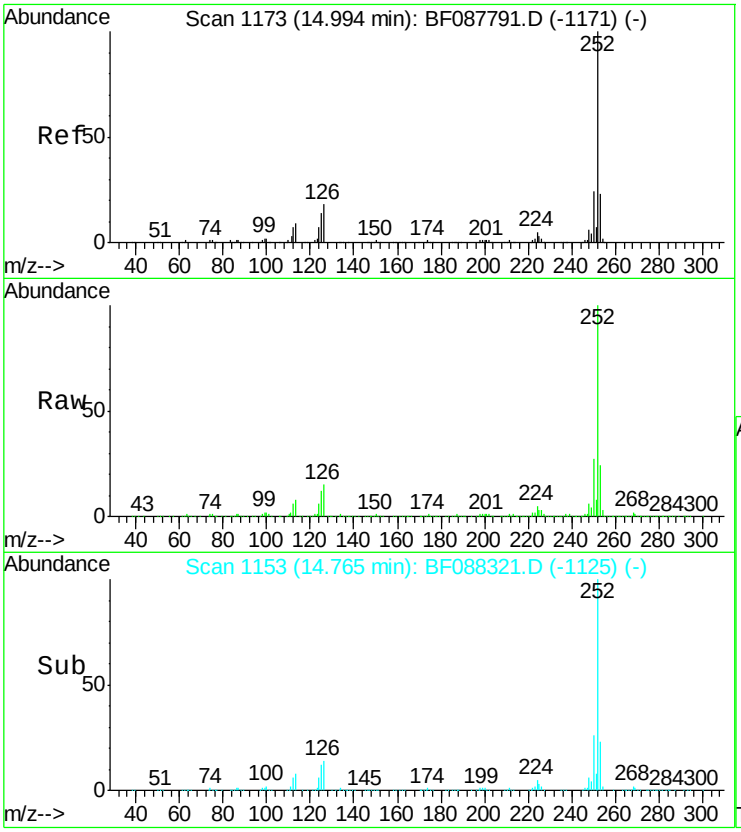


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:264 Resp: 175931

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	35.1	16.9	25.3#



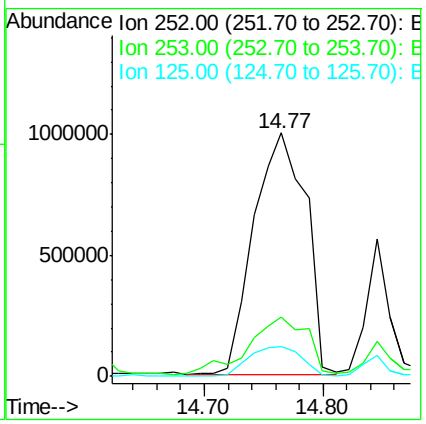


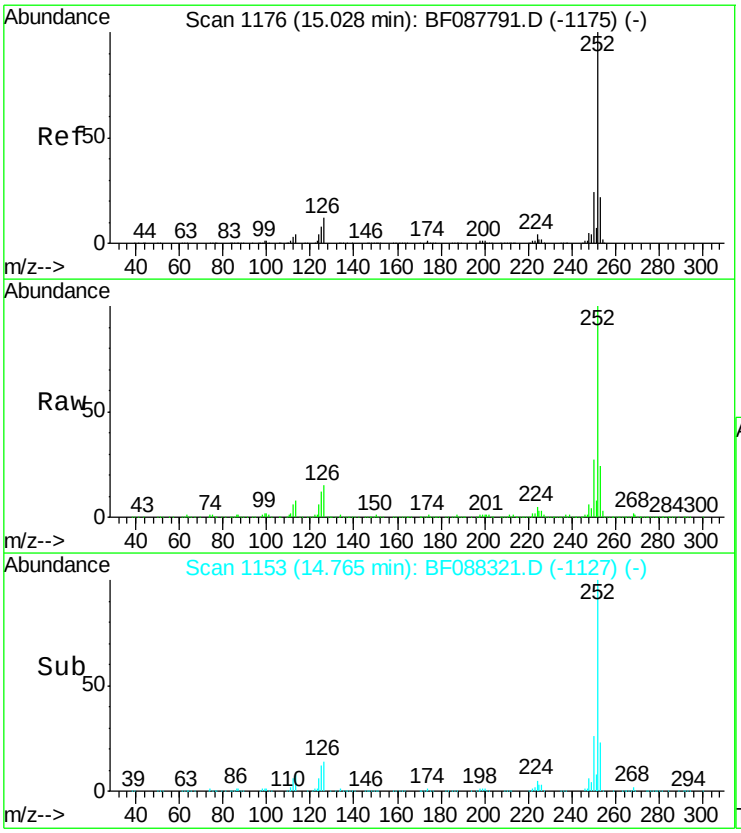
#87
Benzo(b)fluoranthene
Concen: 248.91 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 3052161

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.4	26.2
125	12.3	7.1	10.7#

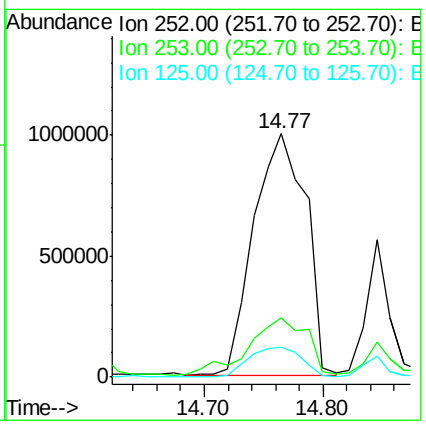


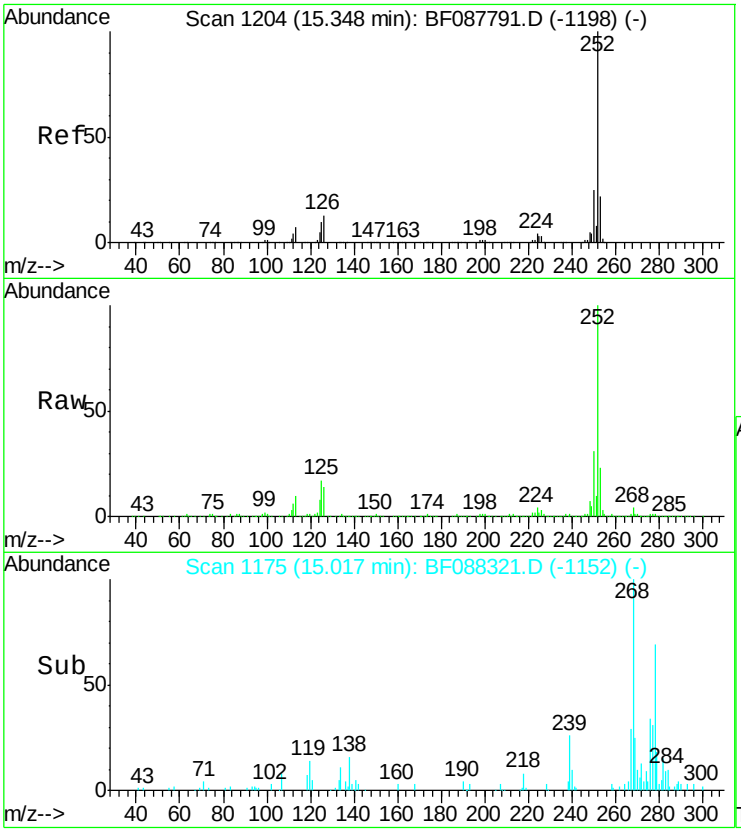


#88
Benzo(k)fluoranthene
Concen: 328.14 ng
RT: 14.77 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:252 Resp: 3035304

Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	12.3	11.2	16.8



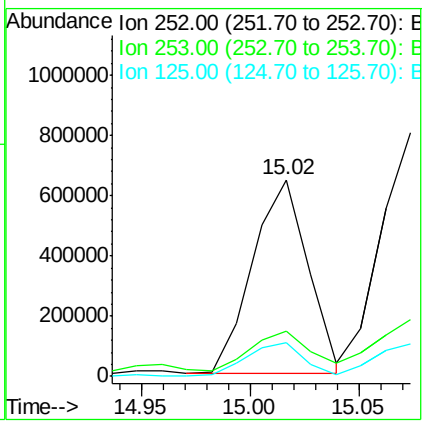


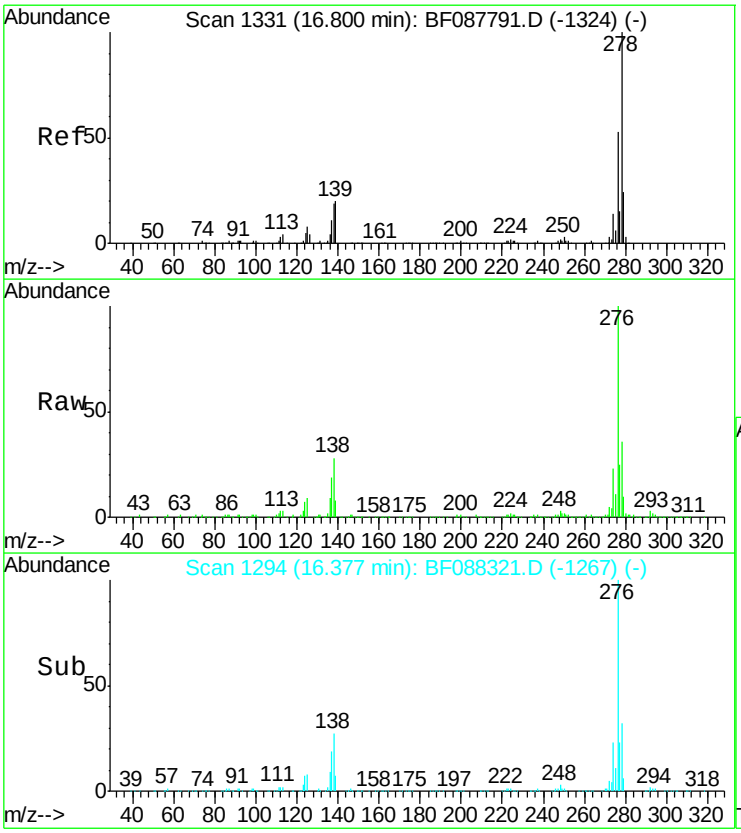
#89
Benzo(a)pyrene
Concen: 116.10 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.03 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 1151777

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.9	26.9
125	17.0	12.5	18.7

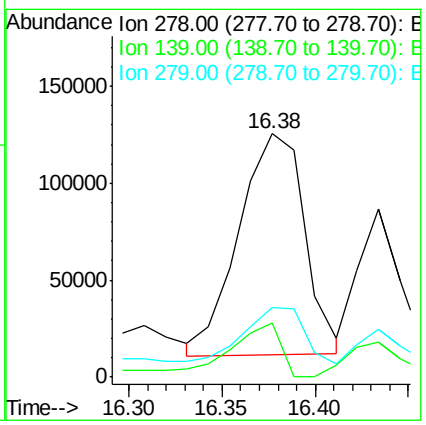


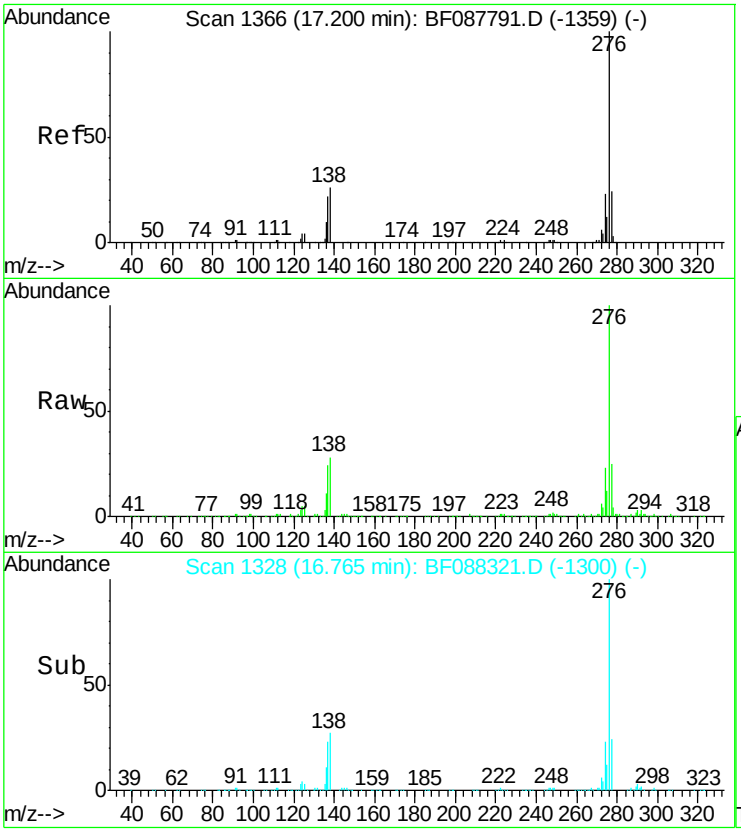


#90
Dibenzo(a,h)anthracene
Concen: 30.39 ng
RT: 16.38 min Scan# 1294
Delta R.T. 0.01 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Tgt Ion:278 Resp: 280020

Ion	Ratio	Lower	Upper
278	100		
139	22.3	15.7	23.5
279	28.3	19.4	29.2





#91
Benzo(g,h,i)perylene
Concen: 91.11 ng
RT: 16.77 min Scan# 1328
Delta R.T. 0.02 min
Lab File: BF088321.D
Acq: 24 Jun 2016 8:04

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 863553

Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.9	28.3
138	27.8	21.4	32.2